



**TRU  
HONE**<sup>®</sup>

**HR8 HONER  
Instruction Manual**

This is what the LORD says:

“Let not the wise man boast of his wisdom or the strong man boast of his strength or the rich man boast of his riches, but let him who boasts boast about this: that he understands and knows me, that I am the LORD, who exercises kindness, justice and righteousness on earth, for in these I delight,” declares the LORD.

Jeremiah 9:23-24



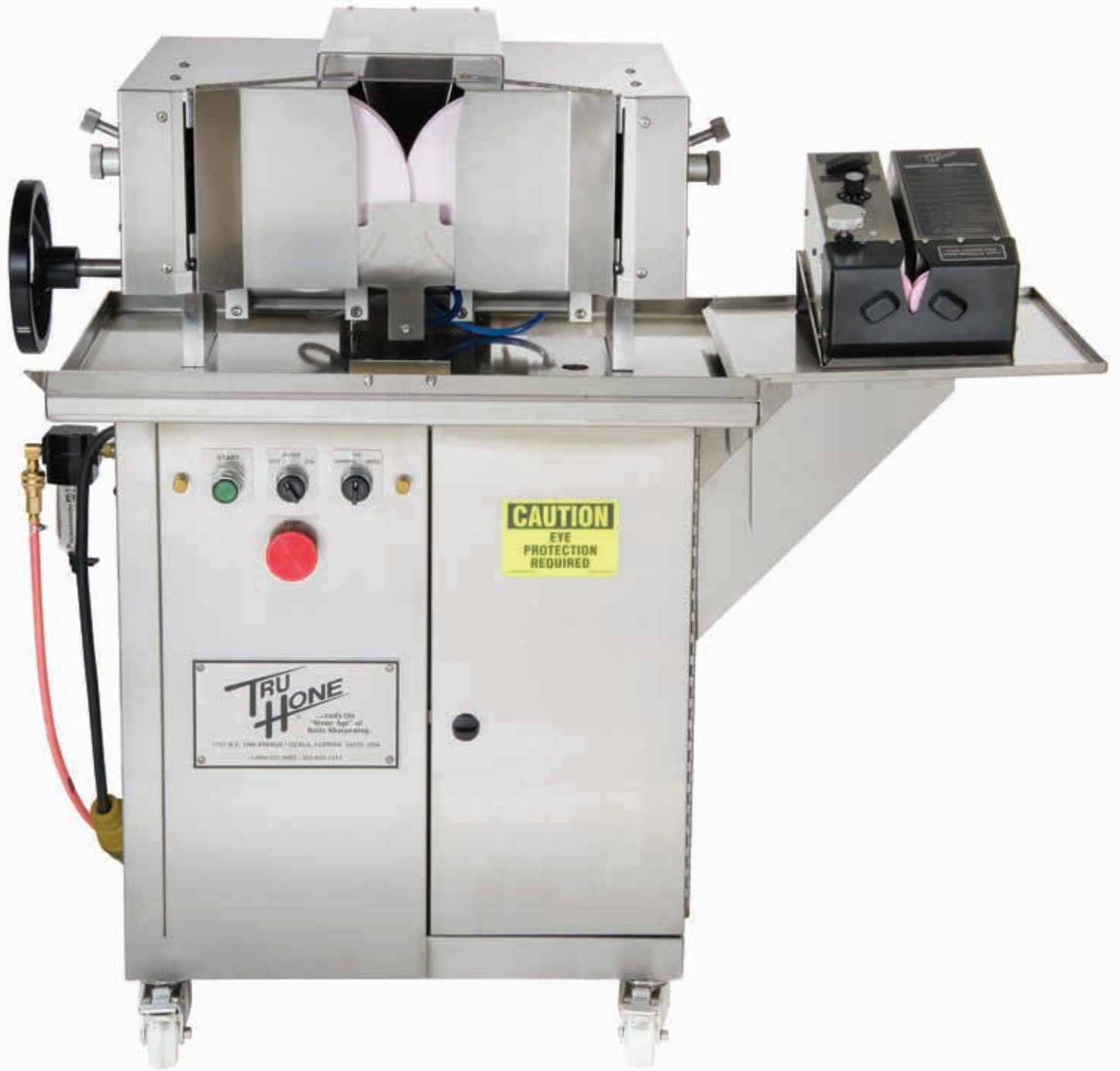
*...ends the  
“Stone Age”  
of Knife Sharpening.*

## **INTRODUCTION**

**This manual has been prepared to familiarize you with the operation and maintenance of your Tru Hone HR8 Honer and to provide important safety information. Following these instructions will help assure safe and trouble free operation of your Tru Hone Honer System.**

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**Tru Hone HR8 Honer**

# General Description of Parts & Switches

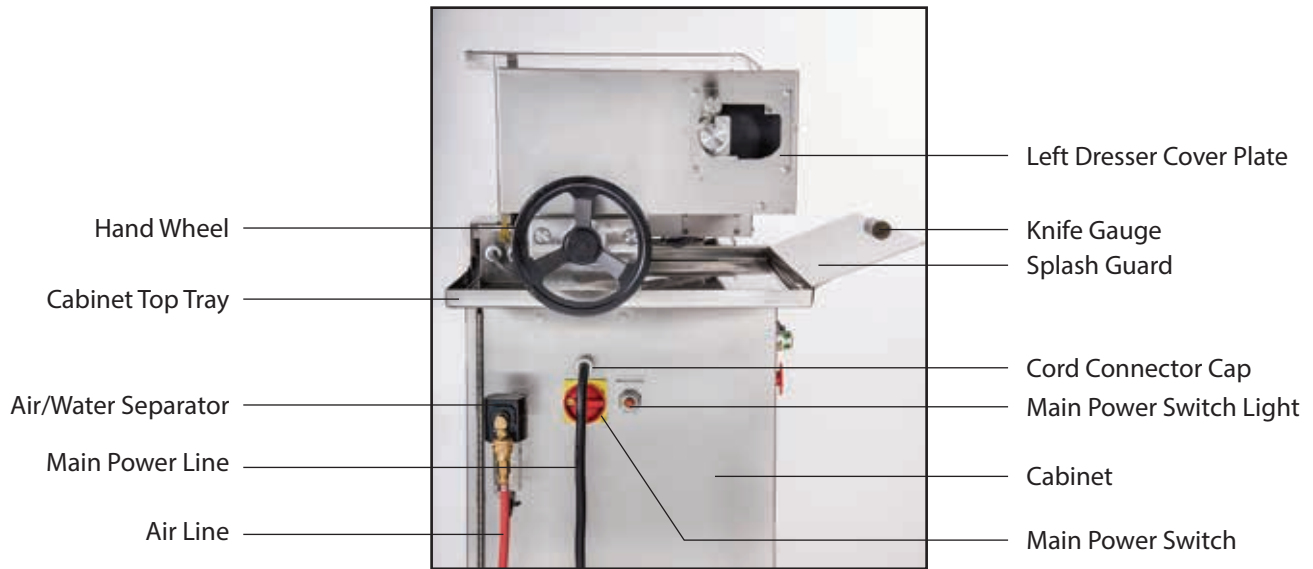


Fig. 1



Fig. 2



Fig. 3

# TRU HONE HR8 HONER REQUIREMENTS

## ELECTRICAL

Access to 3 phase electrical supply.

Voltage requirements are 208V to 230V or 440V to 480V.

Amperage requirements are 9 AMP with lower voltage or 4.5 AMP with higher voltage.

Wiring requirements - 4 lead wire SOS-Type supply cable, #14 or #16 gauge.

## AIR/HYDRAULICS

Air pressure of not less than 80 PSI.

Air volume requirement is minimal.

Quick disconnect accessibility.

Air lines are yellow.

Hydraulic lines are clear.

## COOLANT

The Coolant system on the honer is self-contained recirculated water with USDA approved additive.

Coolant lines are blue.

# SET-UP

## ELECTRICAL HOOK-UP

Test the power supply voltage and phase to be sure they meet the specifications for the honer. The specifications are listed inside the rear door.

Remove the small junction box cover located inside the rear cabinet to find 4 lead wires leading to the main power switch (see fig. 4).

Using a 4 lead wire for the power supply cord, strip back the cord insulation about 10". Strip back the wire ends approximately 1".

Remove the cord connector cap, locking ring and rubber seal at the left side of the cabinet and slide them onto the power supply cord. Insert the cord wires through the cord connector into the junction box and tighten the cord connector cap (see fig. 1).

Connect the power supply cord wires to the junction box wires with wire nuts and replace the junction box cover. Connect the other end of the cord to the breaker box.

This completes the wiring hook-up subject to checking for the proper rotation of the honing wheels.

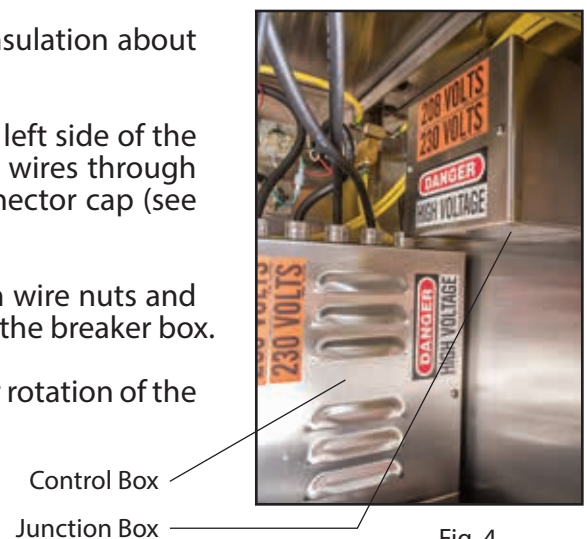


Fig. 4



## HONING WHEEL ROTATION

See fig. 1, 2, and 3 for the location of these parts and switches

Inspect the honing wheels to be sure they are clear of any obstructions and are not touching each other. Turn the main power switch on, press the start button and turn the speed switch to sharpen to activate the honing wheels. Both half sets of the honing wheels should be turning up in the center. The left honing wheels should be turning counterclockwise and the right honing wheels should be turning clockwise.

If the honing wheels are not turning up in the center, turn the speed switch off, push the stop button off, turn the main power switch off and disconnect the power at the breaker box. Switch two leads in the honer junction box and repeat the steps in this section.

## AIR/HYDRAULICS HOOK-UP

NOTE: Air is only required to operate the two semi-automatic diamond dressing units that true up the honing wheels.

Attach the air/water separator provided with the honer to the quick disconnect nozzle at the left side of honer (see fig. 1).

Attach the air line to the air/water separator.

The air regulator inside the rear cabinet should be set at approximately 80 PSI and the air cut-off valve should be open (see fig. 37).

## COOLANT PREPARATION

Remove the coolant tank located inside the front cabinet (see fig. 39). Set aside the filter tray and pump (see fig. 40). Pour 2 cups of grinding solution into the coolant tank and add water until the coolant tank is approximately three quarters full.

Hang the sock filter from the hook located on the front of the coolant down spout (see fig. 41). Place the pump back into the rear of the coolant tank and set the filter tray on top of the coolant tank (see fig. 42).

Slide the coolant tank back into the front cabinet (see fig. 39). Make sure the sock filter is hanging straight with the bottom inside the filter tray. Close the front door.

The honer should be placed in a relatively level area to insure the proper recirculation of the coolant into the coolant tank.

# SAFETY

Before using the honer be sure you are not wearing rings, watches, bracelets or loose hanging necklaces. Long sleeves should be rolled up and hair nets worn for longer hair.

Safety glasses should be worn at all times while operating the honer.



# PREPARING FOR OPERATION

See fig. 1, 2, and 3 for the location of these parts and switches.

Slide the stainless steel splash guard onto the front of the honer cabinet top tray and the side shelf onto the right side of the cabinet top tray. Set the rear and upper coolant shields in place. Set the Tru Hone with HWD honing wheels on the side shelf and plug it into a 110 volt outlet or for the LCF or HCF Tru Hones, plug them into a 220 volt outlet.

Turn the main power switch on, press the start button and turn the speed switch to sharpen to activate the honing wheels. Turn the pump switch on.

Turn the hand wheel counterclockwise until the honing wheels are not overlapped (can see between them) (see fig. 5).

**CAUTION:** Should the hand wheel become difficult to turn when attempting to bring the honing wheels together, turning should not be forced as damage may result.

Turn the hand wheel clockwise until the honing wheels begin to overlap (cannot see between them) (see fig. 6). Using one of the numbers on the hand wheel as a reference point, turn the hand wheel three complete turns clockwise (see fig. 7). The HR8 honing wheels are now ready to begin sharpening.

## SHARPENING A KNIFE

See fig. 1, 2, and 3 for the location of these parts and switches.

Turn the main power switch on, press the start button on and turn the speed switch to sharpen to activate the honing wheels. Turn the pump switch on.

Turn the hand wheel counterclockwise until the honing wheels are not overlapped (can see between them)(see fig. 5). Turn the hand wheel clockwise until the honing wheels begin to overlap (cannot see between them) (see fig. 6). Using one of the numbers on the hand wheel as a reference point, turn the hand wheel three complete turns clockwise (see fig. 7). The HR8 honing wheels are now ready to begin sharpening.

Place the knife blade on the honing wheels as close to the heel as possible (see fig. 8). Holding the knife level, draw it across the honing wheels (see fig. 9). For knives with curved tips or curved blades, raise the handle to follow the curve as you draw the blade across the honing wheels (see fig. 10). Repeat until the knife has a new edge.

The width of the sharpening bevel should be even on both sides of the blade. If it is not, lean the blade toward the side of the knife with the narrowest sharpening bevel while sharpening the knife. Moving to the Tru Hone and using a light pressure, draw the knife across the polishing wheels 4 to 8 times (see fig. 11).



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

## DRESSING HONING WHEELS

1. Before dressing the honing wheels, visually inspect the end of each diamond dresser bit to be sure it is clear of the honing wheels and in good condition (see fig. 12). If the dresser ram assembly is turned in too far clockwise and the end of the diamond dresser bit does not clear the honing wheels (see fig. 13), turn the dresser advancement knob counterclockwise (see fig. 14) until the end of the diamond dresser bit is clear of the honing wheels (see fig. 12).



Fig. 11

2. If the honer is not on, turn the main power switch on, press the start button on, turn the speed switch to dress which activates the motors and turn the pump switch on. Chamfering may be necessary before dressing if the edges of the honing wheels are not rounded. See the section on chamfering honing wheels.
3. Press and hold in either the left or right dresser button (see fig. 15). This cycles the dresser assembly to the front. CAUTION: Do not dress the honing wheels in this direction.
4. Continue holding in the dresser button until you turn the dresser advancement knob 1 click clockwise (see fig. 16). This moves the diamond dresser bit into position for dressing the honing wheels one time.
5. Release the dresser button. The diamond dresser bit dresses the honing wheels as it returns to the idle position. If the diamond dresser bit does not dress (does not touch) all three honing wheels or does not sound smooth (chatters), return to step 3. To keep both half sets of honing wheels even with each other, it is important to dress each half set of honing wheels the same number of clicks on the dresser advancement knob.
6. On the last dressing pass, the diamond dresser bit should sound like it is making a smooth cut across all three honing wheels. To dress the other half set of honing wheels, press the other dresser button and repeat steps 3 through 5.
7. After both half sets of honing wheels have been dressed, the dots on the dresser advancement knobs should be at the same position.
8. Turn the hand wheel counterclockwise until the honing wheels are not overlapped (can see between them)(see fig. 5). Turn the hand wheel clockwise until the honing wheels begin to overlap (cannot see between them) (see fig. 6). Using one of the numbers on the hand wheel as a reference point, turn the hand wheel three complete turns clockwise (see fig. 7). Turn the speed switch to the sharpen position. The HR8 honing wheels are now ready to begin sharpening.
9. Dress the honing wheels often enough so that it takes only one or two clicks per dresser advancement knob to dress the honing wheels.
10. Periodically inspect the size of the honing wheels to see that they are the same size. See the section on sizing honing wheels.



Fig. 12



Fig. 13



Fig. 14

## ROTATING DIAMOND DRESSER BITS

About once a week the diamond dresser bits need to be turned to keep a sharp edge of the diamond next to the honing wheels.

Turn the main power switch on, press the start button and turn the speed switch to dress (see fig. 1&2).

Press and hold in the left dresser button (see fig. 15). This cycles the dresser assembly to the front (forward position).

Continue holding in the left dresser button until you turn the diamond dresser bit approximately 1/4 turn clockwise (see fig. 17).

Release the dresser button and repeat the previous steps for the right diamond dresser bit.

After both diamond dresser bits have been rotated, the dots should be at the same position.



Fig. 15



Fig. 16



Fig. 17

# CHAMFERING HONING WHEELS

Periodically, chamfering is necessary to keep the edges of the honing wheels from chipping.

Turn the main power switch on, press the start button and turn the speed switch to the dress position (see fig. 1 & 2).

Holding the dressing stick at approximately 45 degrees (see fig. 18), press the side of the dressing stick against the front edge of the left front honing wheel. Lightly roll the dressing stick back and forth until the chamfering is complete.

Next, using the same procedures, chamfer the back edge of the first honing wheel and the front edge of the second honing wheel at the same time (see fig. 19). Repeat these steps until all of the honing wheels on both half sets have been chamfered.



Fig. 18



Fig. 19

## SIZING HONING WHEELS/WHEEL CALIPER

Both half sets of honing wheels need to be the same size in order to get the same angle on both sides of the knife edge.

After both half sets of honing wheels have been chamfered and dressed (see sections on chamfering and dressing honing wheels), they should be measured with the wheel caliper to make sure they are the same size (see fig. 20). If one of the half sets of honing wheels is larger than the other, dress it until it is the same size as the smaller half set of honing wheels and until the dots on the dresser advancement knobs are in the same position.



Fig. 20



# REPLACING HONING WHEELS

Turn off all of the switches (see fig. 1 & 2); speed switch, pump switch, stop button and the main power switch.

Remove the upper coolant shield.

Turn the hand wheel counterclockwise until the honing wheels are at the maximum separation. Turn up the hinged wheel guards and using a 5/32" hex key wrench remove the honing wheel guard (see fig. 21).

**CAUTION:** Both of the dresser ram assemblies are extended in and need to be turned back (see fig. 22). Turn both of the dresser advancement knobs counterclockwise until the end of each dresser ram assembly is approximately 1/8" (32 cm) from being flush with the slide shield (see fig. 23).

Hold one half set of honing wheels and using the honing wheel wrench remove the washer nut and brass washer that hold the honing wheels onto the honing wheel adaptor collar (see fig. 24). **NOTE:** The right adaptor collar is left threaded. Remove the used half set of honing wheels. Repeat the same procedures for removing the other half set of honing wheels. Clean the honing wheel adaptor collars of any honing dust.

Turn one half set of new honing wheels opposite to the other half set of new honing wheels (see fig. 25) and slide onto the adaptor collars. The brass shims located behind the honing wheels may be moved from one adaptor collar to the other for proper honing wheel alignment. Return the washer nut to each adaptor collar and tighten with the honing wheel wrench. If the honing wheels rub, repeat the previous steps.

Reposition and secure the honing wheel guard. Lower the hinged wheel guards and return the upper coolant shield to the top of the machine.

New honing wheels need to be chamfered and dressed before being used. Please refer to the chamfering, dressing and sizing honing wheels/wheel caliper sections.

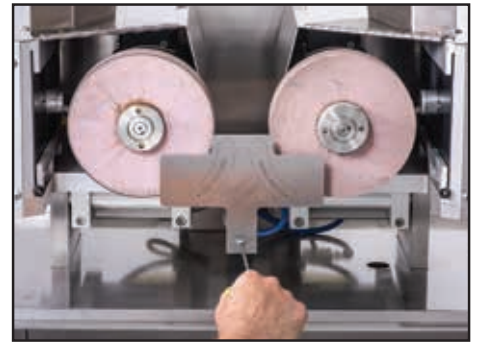


Fig. 21



Fig. 22



Fig. 23



Fig. 24

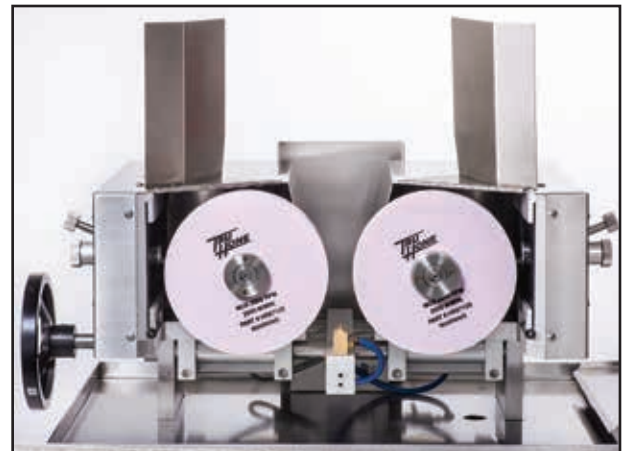


Fig. 25

After both half sets of honing wheels have been chamfered and dressed they should be measured with the wheel gauge to make sure they are the same size (see fig. 20). If one half set of honing wheels is larger, dress it until it is the same size as the smaller half set of honing wheels and until the dots on the dresser advancement knobs are in the same position.

After chamfering, dressing and sizing the honing wheels, turn the hand wheel counterclockwise until the honing wheels are not overlapped (can see between them)(see fig. 5). Turn the hand wheel clockwise until the honing wheels begin to overlap (cannot see between them)(see fig. 6). Using one of the numbers on the hand wheel as a reference point, turn the hand wheel three complete turns clockwise (see fig. 7). The HR8 honing wheels are now ready to begin sharpening.

## REPLACING A DIAMOND DRESSER BIT

Turn off all of the power switches.

Disconnect the air line or shut off the air cut-off valve located inside the rear cabinet (see fig. 38).

On the dresser ram assembly for which the diamond dresser bit is being changed, turn the dresser advancement knob four or more full turns counterclockwise.

NOTE: The new diamond dresser bit will extend farther in because of the new condition of the diamond. It is important to turn back the dresser ram assembly before changing the diamond dresser bit.

At the side of the cover, remove the 4 phillips truss head 1/4" screws (see fig. 26) and the small dresser cover plate to access the desired dresser ram assembly (see fig. 27).

With a 3/16" hex key wrench remove the socket head cap screw located just below the dresser ram assembly (see fig. 28). Pull out the dresser ram assembly (see fig. 29).

Wipe clean the dresser ram assembly and the inside of the dresser saddle which holds the dresser ram assembly.

Using a 1/16" hex key wrench loosen the spring plunger screw that holds the diamond dresser bit (see fig. 30) enough to slide out the used diamond dresser bit (see fig. 31).

Remove the knob from the used diamond dresser bit shaft and tighten it onto the end of the new diamond dresser bit shaft (see fig. 32).



Fig. 26



Fig. 27



Fig. 28



Fig. 29

Wipe clean the diamond dresser bit hole in the dresser ram assembly. Fill the groove that is cut into the diamond dresser bit shaft with grease and grease the shaft.

Slide the diamond dresser bit into the dresser ram assembly until the groove is past the spring plunger (see fig. 33). Tighten the spring plunger screw until it resists movement of the diamond dresser bit shaft. Slowly pull the diamond dresser bit shaft back until the spring plunger drops into the groove. Continue tightening the spring plunger screw until it is tight and then loosen it 1/4 of a turn.

Grease the dresser ram assembly and the inside of the dresser saddle. Slide the dresser ram assembly back into the dresser saddle and tighten with the socket head cap screw. NOTE: Be sure the dresser ram knob is setting straight on the end of the ram. If it is not, push up on the dresser ram key nut before tightening the socket head cap screw.

Reposition the dresser cover plate and fasten with 4 phillips truss head 1/4" screws.

Reconnect the air line or open the air cut-off valve and restart the honer.

Press the dresser button for the dresser bit that was changed and turn the dresser advancement knob clockwise one click at a time while cycling the diamond dresser bit across the running honing wheels. As soon as the new diamond dresser bit dresses the honing wheels, line up the dresser advancement knob dots by dressing either the left or right honing wheels.



Fig. 30



Fig. 31



Fig. 32



Fig. 33



# HYDRAULIC DRESSING SYSTEM MAINTENANCE

The hydraulic fluid reservoirs for the dressing system hydraulics are located inside the rear cabinet (see fig. 34). The hydraulic fluid levels should be checked weekly. The hydraulic lines are clear in color.

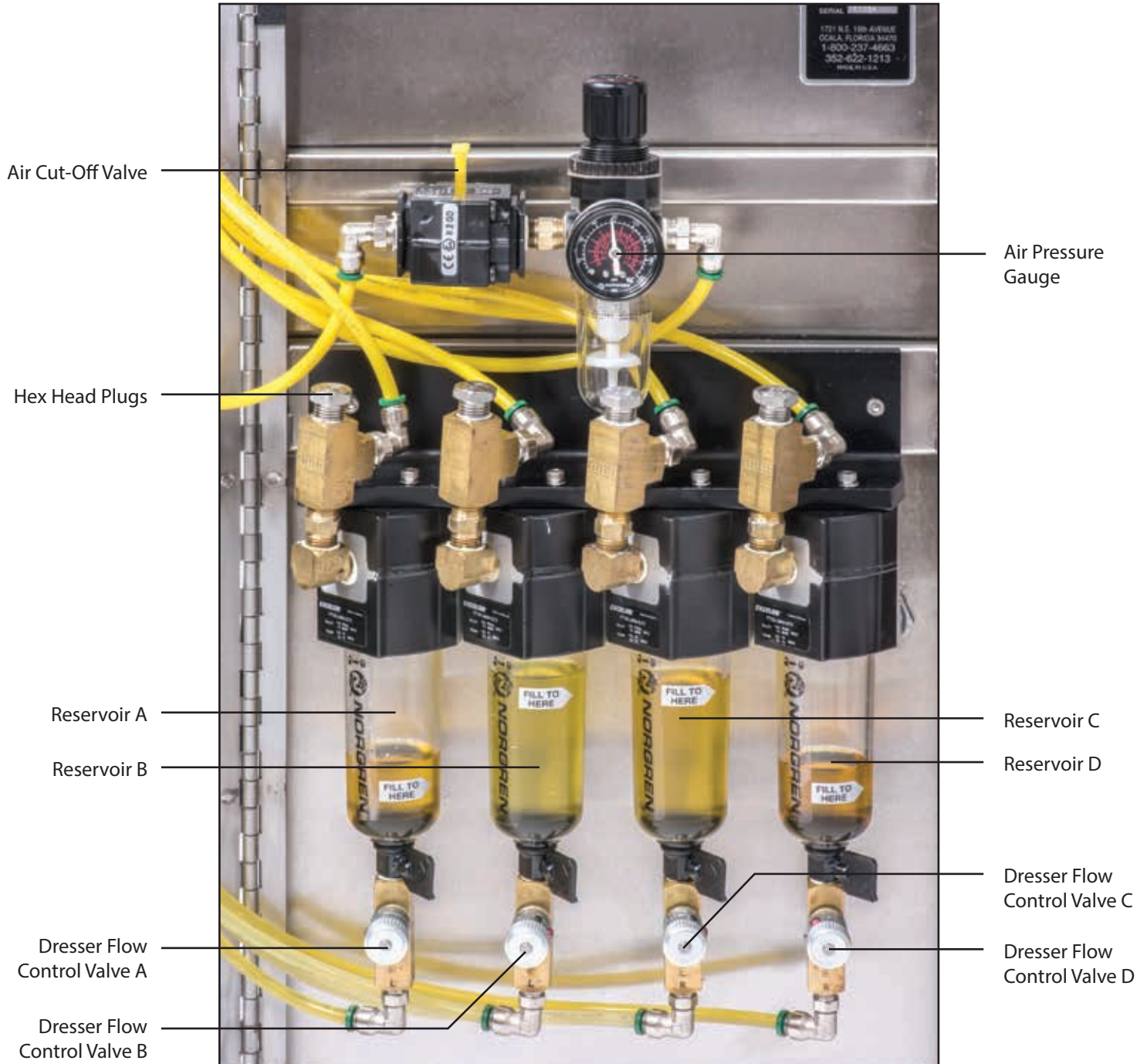


Fig. 34

## ADDING HYDRAULIC FLUID

If any of the hydraulic fluid levels are below the full line, **\*\*\*disconnect the air line\*\*\*** from the honer or shut off the air cut-off valve (see fig. 34). Remove the hex head plug on top of the appropriate reservoir (see fig. 35) and fill to the full mark with hydraulic fluid. Do not overfill the fluid levels. Replace the hex head plugs that were removed for filling.

Reconnect the air line or open the air cut-off valve.



Fig. 35

## ADJUSTING DRESSING CYCLES

The dressing cycle is the time it takes for a dresser assembly to move to the forward position or return to the idle position. The dressing cycles are present at 12 seconds but may be slower in cooler environments and faster in warmer environments. Adjust the dressing cycles according to the environment in which the honer is being operated.

### LEFT DRESSING CYCLE

To adjust the left forward dressing cycle, turn the air on, turn the main power switch on, press the start button and turn the speed switch to dress (see fig. 1 & 2). Push in and hold the left dresser button located just to the left of the start button. The time for the left dresser assembly to move to the forward position should be approximately 12 seconds. If the forward dressing cycle is too slow or too fast, adjust it with the dresser flow control valve A (see fig. 34). Turn the valve knob clockwise to slow down the dressing cycle or counterclockwise to speed it up.

To adjust the left return dressing cycle, turn the air on, turn the main power switch on, press the start button and turn the speed switch to dress (see fig 1 & 2). Push in and hold the left dresser button located just to the left of the start button. This cycles the left dresser assembly to the forward position. Release the left dresser button. The time for the left dresser assembly to return to the idle position should be approximately 12 seconds. If the dressing cycle is too slow or too fast, adjust it with the dresser flow control valve B (see fig. 34). Turn the valve knob clockwise to slow down the dressing cycle or counterclockwise to speed it up.

### RIGHT DRESSING CYCLE

To adjust the right forward dressing cycle, turn the air on, turn the main power switch on, press the start button and turn the speed switch to dress (see fig. 1 & 2). Push in and hold the right dresser button located just to the right of the speed switch. The time for the right dresser assembly to move to the forward position should be approximately 12 seconds. If the forward dressing cycle is too slow or too fast, adjust it with the dresser flow control valve D (see fig. 34). Turn the valve knob clockwise to slow down the dressing cycle or counterclockwise to speed it up.

To adjust the right return dressing cycle, turn the air on, turn the main power switch on, press the start button and turn the speed switch to dress (see fig. 1 & 2). Push in and hold the right dresser button located just to the right of the speed switch. This cycles the right dresser assembly to the forward position. Release the right dresser button. The time for the right dresser assembly to return to the idle position should be approximately 12 seconds. If the dressing cycle is too slow or too fast, adjust it with the dresser flow control valve C (see fig. 34). Turn the valve knob clockwise to slow down the dressing cycle or counterclockwise to speed it up.

# AIR/WATER SEPARATOR

The air/water separator located on the left side of the honer next to the main power switch (see fig. 1) removes water in the air line that will contaminate the hydraulic system. An air/water separator should always be used on the air line. When water accumulates in the air/water separator it must be manually released by turning the valve at the bottom of the air/water separator (see fig. 36).



Fig. 36

# AIR PRESSURE GAUGE

The air pressure gauge located inside the rear cabinet is preset at approximately 80 PSI (see fig. 37). If adjustment is required read the directions on the very top of the pressure gauge on how to release the locked position and adjust the air pressure. After the adjustment has been made return it to the locked position.



Fig. 37

# AIR CUT-OFF VALVE

The air cut-off valve located inside the rear cabinet must be open (lever up & air gauge reading approximately 80 PSI) in order to operate the hydraulic dressing system (see fig. 37).

The air cut-off valve must be closed (lever down and the air gauge reading zero) whenever adding hydraulic fluid to the hydraulic dressing system or disconnecting any hydraulic lines (see fig. 38).



Fig. 38

# COOLANT TANK & FILTERS

The coolant tank and filters located inside the front cabinet (see fig. 39) should be checked weekly to be sure the coolant is clean and at the proper level and the filters are clean.

## ADDING COOLANT

If the coolant is clean but the level is down, add grinding solution and water (1/4 cup grinding solution: 1 gallon water) until the coolant tank is approximately three quarters full.



Fig. 39



## CHANGING COOLANT

Remove the coolant tank located inside the front cabinet. Set aside the filter tray and the pump (see fig. 40). Pour out the old coolant and rinse the coolant tank. Pour 2 cups of grinding solution into the coolant tank and add water until the coolant tank is approximately three quarters full. Clean or replace the tray and sock filters. Return the tray filter to the filter tray. Hang the sock filter from the hook located on the front of the coolant return spout (see fig. 41). Place the pump back into the rear of the coolant tank and set the filter tray on top of the coolant tank (see fig. 42). Slide the coolant tank into the front cabinet (see fig. 39). Make sure the sock filter is hanging straight with the bottom inside the filter tray. Close the front door.



Fig. 40



Fig. 41



Fig. 42

## COOLANT FLOW CONTROL VALVE

The coolant flow control valve (see fig. 43) controls the flow of coolant to the coolant fountain. The coolant flow control valve is closed at the six o'clock position and open at the 3 o'clock position. Use the between positions to increase or decrease the coolant flow. The coolant flow control valve should be open enough to allow the desired flow of coolant to the honing wheels.



Fig. 43

# 110 VOLT OUTLET BOX FOR PUMP

The 110 volt outlet box is located inside the rear cabinet just to the left of the control box (see fig. 44). The top outlet is for the pump and is activated by the pump switch. The lower outlet is a standard 110 V outlet and is activated by the main power switch.

## CONTROL BOX/ TRANSFORMER

Reset buttons are located inside the rear cabinet in the main control box (see fig. 44). They are red square buttons. In the event there is a loss of power to the motors, push the reset buttons to regain motor power. Two bus type fuses are located inside the control box for the protection of the transformer. If an overload is placed on the transformer these fuses will blow. The transformer also supplies 110 V power for the switches in the control box. Replace the fuses when necessary.



Fig. 44  
110V Outlet Box      Control Box      Transformer

## KNIFE GAUGE

The knife gauge measures the thickness of the taper of a knife blade (see fig. 45). Before sharpening a knife on the honer, draw the edge of the blade through the desired slot on the knife gauge (either .023" or .020"). (The .016" slot is a "NO GO". If the knife edge drops freely into this slot the taper of the edge is too thin). A properly tapered blade should fit into the .023" or .020" slot but not touch the bottom of the slot. If the blade edge touches the bottom of the slot, the blade has been tapered too thin. If the blade does not fit into the slot, it needs more tapering on the HG3 Hollow Grinder.



Fig. 45

## CLEANING

When sharpening is completed for the day, it is recommended that the honer be wiped down.

Turn the pump switch off, turn the speed switch to off, push the stop button off and turn the main power switch off (see fig. 1 & 2). Set the upper coolant shield aside and wipe down the sharpening area of the honer. Clean the upper coolant shield and set it back in place.

After most of the coolant has drained back into the coolant tank, wipe up the grindings from the cabinet top tray.

Monthly or quarterly a more thorough cleaning is necessary.

Turn off the HR8 Honer and disconnect the air line or shut off the air cut-off valve. Remove the dresser cover plates that protect the dresser ram assemblies and then the left and right main covers.

Clean as necessary.

## PREVENTATIVE MAINTENANCE SCHEDULE AND RECOMMENDED STOCK ITEMS

Daily	HG3	HR8	HCA	Preventative Maintenance
	✓	✓	✓	Clean machines
	✓	✓		Inspect coolant level
			✓	Add water to sponge in HWD cover
<b>Weekly</b>				
	✓	✓		Rotate diamond dresser bits ¼ turn
	✓	✓		Clean sock filter & tray filter
			✓	Clean or replace wet tray sponge
	✓	✓		Change water & additive (3 cups additive/Coolant Tank of water)
	✓	✓		Drain air/water separator
	✓	✓	✓	Inspect grinding & honing wheels
<b>Monthly</b>				
	✓	✓		Replace sock filter
	✓	✓		Inspect diamond dresser bits
	✓	✓		Inspect hydraulic oil levels
<b>Quarterly</b>				
	✓	✓		Replace tray filter
	✓	✓		Apply anti-seize to dresser ram assemblies & dresser slide rods
<b>Annually</b>				
	✓	✓		Inspect motor bearings
	✓	✓		Remove main covers & clean as necessary
Quantity	Item #		Recommended Stock Item Description	
1 set	HG37122		Hollow Grinder Wheels Complete Set (Standard 54 grit)	
1 set	HR87125		Honing Wheels Complete Set (Standard 220 grit)	
1 set	HWD		Honing/Polishing Wheels Complete Set (1000 grit)	
4 ea.	TH1716		Sponge for HWD Cover	
1 ea.	CLD6		Cleaner For 1000 Grit Honing Wheels 6 OZ	
4 ea.	CLST		Cleaning/Dressing Stick	
2 ea.	HGH7201		Filter, Sock	
2 ea.	HGH7211		Filter, Tray	
1 ea.	HGH7112		Additive, Grinding Coolant - 5 gallons - USDA Approved	
2 ea.	HGH1304		Dresser Bit, Diamond 6" (¼ Carat)	
3 ea.	HGH4212		Bearing, Motor (Small) (Front & Rear HR8) (Rear HG3)	
1 ea.	HG34213		Bearing, Motor (Large) (Front HG3)	
1 ea.	HG34201		Motor (HG3 Hollow Grinder)	
1 ea.	HR84201		Motor (HR8 Honer)	





Do not store up for yourselves treasures on earth, where moth and rust destroy, and where thieves break in and steal. But store up for yourselves treasures in heaven, where moth and rust do not destroy, and where thieves do not break in and steal. For where your treasure is, there your heart will be also.

Matthew 6:19-21



*...ends the  
“Stone Age”  
of Knife Sharpening.*

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