

# DR<sup>®</sup> 5 -TON, ELECTRIC WOOD SPLITTER



## SAFETY & OPERATING INSTRUCTIONS



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**! WARNING!**

**READ AND UNDERSTAND THIS MANUAL AND ALL INSTRUCTIONS BEFORE OPERATING THIS WOOD SPLITTER.**

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# THANK YOU!

And congratulations on your purchase of a new DR 5 -TON ELECTRIC WOOD SPLITTER!

We have done our utmost to ensure that your DR 5 -TON ELECTRIC WOOD SPLITTER will be one of the most trouble-free and satisfying pieces of equipment you have ever owned. Please let us know of any questions you may have. We want to answer them as quickly as possible. When you do call, please have your serial number or order number handy. **For technical assistance, please call Toll-Free 1-800-DR-OWNER (376-9637) and one of our Technical Support Representatives will be happy to help you.** We also hope to hear from you on how much you like your new helper.

In addition, please tell your friends about your new DR 5 -TON ELECTRIC WOOD SPLITTER! Having DR Owners spread the word about our products and our way of doing business is the best advertising we can have, and the best way to help us provide even better service in the years to come.

Thanks once again!



for all of us at  
Country Home Products, Inc.

SALES MANAGER

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## CHAPTER 1

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# INTRODUCING THE DR 5 -TON ELECTRIC WOOD SPLITTER

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This manual will help you set up and safely operate your new DR 5 -TON ELECTRIC WOOD SPLITTER. Careful adherence to the safety and operating instructions in this manual will ensure many years of productive use.

Please let us know of any questions you may have. We want to answer them as quickly as possible. When you do call, please have your serial number and/or order number handy. **For technical assistance, please call Toll-Free 1-800-DR-OWNER (376-9637) and one of our Technical Support Representatives will be happy to help you.**

### *Conventions used in this manual*

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#### **WARNING!**

THIS INDICATES A HAZARDOUS SITUATION, WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY.

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#### **CAUTION!**

THIS INDICATES A HAZARDOUS SITUATION, WHICH, IF NOT AVOIDED, COULD RESULT IN MINOR OR MODERATE INJURY.

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#### **NOTICE!**

THIS INFORMATION IS IMPORTANT IN THE PROPER USE OF YOUR MACHINE. FAILURE TO FOLLOW THIS INSTRUCTION COULD RESULT IN DAMAGE TO YOUR MACHINE OR PROPERTY.

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**Tip:** This is a helpful hint to guide you in getting the most out of your DR 5 -TON ELECTRIC WOOD SPLITTER.

**Tools Needed:** This indicates you will need a special tool to perform a maintenance function on your Wood Splitter.

**NOTE:** *This information may be helpful to you.*

If you are ever unsure about an action you are about to take, don't do it, contact Country Home Products' toll-free support at 1-800-DR-OWNER (376-9637) for help or information.



# GENERAL SAFETY RULES

## **! WARNING!**

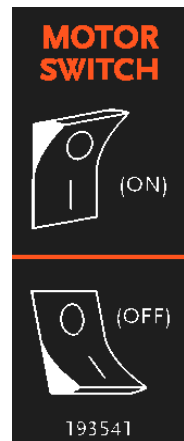
READ THIS SAFETY AND OPERATING MANUAL BEFORE YOU USE THE DR 5 -TON WOOD SPLITTER. BECOME FAMILIAR WITH THE SERVICE RECOMMENDATIONS TO ENSURE THE BEST PERFORMANCE FROM YOUR WOOD SPLITTER.

### Labels

Your DR 5 -TON ELECTRIC WOOD SPLITTER carries prominent labels as reminders for its proper and safe use. Shown below are copies of all the labels that appear on the equipment. Take a moment to study them and make a note of their location on your DR 5 -TON ELECTRIC WOOD SPLITTER as you assemble and *before* you operate the machine. Replace damaged or missing safety and information labels immediately.



#206871



#193541

### WOOD SPLITTER Air Bleed Screw Operation

1. Prior to using the splitter open the air-bleed screw by turning it counter-clockwise four turns.
2. Leave the valve open in this position while using the splitter.
3. Tighten the screw by turning it clockwise and close the valve when you are finished with the splitter.  
**Note: Do not overtighten the screw. It is not necessary to crank the screw tight.**

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#206861

## Protecting Yourself and Those Around You

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### **WARNING!**

THIS IS A POWERFUL MACHINE. PROPER CLOTHING AND SAFETY GEAR MUST BE USED WHEN OPERATING THIS MACHINE TO PREVENT OR MINIMIZE THE RISK OF SEVERE INJURY. THIS MACHINE CAN CUT, AND SEVER PARTS OF YOUR BODY IF THEY BECOME CAUGHT BETWEEN THE RAM, LOG, GUIDING PLATES AND/OR THE SPLITTING WEDGE. ALWAYS TAKE THE FOLLOWING PRECAUTIONS WHEN OPERATING THIS MACHINE:

- ALWAYS WEAR PROTECTIVE GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS WHILE SPLITTING WOOD TO PROTECT YOUR EYES FROM POSSIBLE THROWN BITS OF WOOD.
  - WEAR SHOES WITH NON-SLIP TREADS WHEN USING YOUR DR 5 -TON ELECTRIC WOOD SPLITTER. IF YOU HAVE SAFETY SHOES, WE RECOMMEND WEARING THEM. DO NOT USE THE MACHINE WHILE BAREFOOT OR WEARING OPEN SANDALS.
  - AVOID WEARING LOOSE CLOTHING OR JEWELRY, WHICH MIGHT BE CAUGHT ON THE WOOD SPLITTER'S MOVING PARTS.
  - WE RECOMMEND WEARING GLOVES WHILE SPLITTING WOOD. BE SURE YOUR GLOVES FIT PROPERLY AND DO NOT HAVE LOOSE CUFFS OR DRAWSTRINGS.
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## Operating the Wood Splitter Safely

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### **WARNING!**

THIS IS A POWERFUL MACHINE. THE MACHINE MUST BE OPERATED SAFELY. UNSAFE OPERATION CAN CREATE A NUMBER OF HAZARDS FOR YOU. ALWAYS TAKE THE FOLLOWING PRECAUTIONS WHEN USING THIS MACHINE:

- NEVER ALLOW PEOPLE WHO ARE UNFAMILIAR WITH THESE INSTRUCTIONS TO USE THE DR 5 -TON ELECTRIC WOOD SPLITTER.
- TO BE SAFE, DO NOT OPERATE THE MACHINE NEAR SMALL CHILDREN OR PETS, AND NEVER ALLOW CHILDREN TO OPERATE THE WOOD SPLITTER. DISENGAGE THE RAM AND STOP THE MOTOR WHEN ANOTHER PERSON OR PET APPROACHES.
- NEVER TEAM UP WITH ANOTHER PERSON TO OPERATE THE WOOD SPLITTER CONTROLS – THIS IS A ONE PERSON JOB.
- KEEP YOUR HANDS AND FEET AWAY FROM THE SPLITTING AREA WHILE THE RAM IS IN MOTION.
- USE ONLY YOUR HANDS TO OPERATE THE WOOD SPLITTER CONTROLS.
- DO NOT PLACE YOUR HANDS AT PINCH POINTS WHERE THEY CAN GET CAUGHT BETWEEN A LOG AND THE WEDGE, LOG GUIDING PLATES OR THE RAM.
- DO NOT PUT ANY PART OF YOURSELF, YOUR CLOTHING, OR YOUR PERSONAL PROTECTIVE EQUIPMENT INTO A CRACK IN A LOG THAT IS BEING SPLIT; IT MIGHT CLOSE SUDDENLY WITH GREAT FORCE.
- NEVER SPLIT ANYTHING OTHER THAN LOGS FREE OF NAILS, WIRES AND BRANCHES. MAXIMUM LOG LENGTH IS 20" WITH A MAXIMUM DIAMETER OF 12" FOR THE DR 5 -TON WOOD SPLITTER.

*NOTE: The log diameter does not necessarily indicate the difficulty of the split. A small diameter log can be difficult to split if it has knots or its fiber is very tough, whereas a larger log can be split easily if its fiber is smooth and loose.*



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**! WARNING!**

- NEVER OPERATE THE WOOD SPLITTER IN AN AREA OF NATURAL GAS OR FLAMMABLE LIQUIDS.
- NEVER SPLIT WOOD IN WET OR SLIPPERY CONDITIONS.
- ALWAYS OPERATE THE WOOD SPLITTER FROM THE OPERATOR ZONE (FIGURE 8 ON PAGE 15). NEVER STAND ON, STRADDLE OR CLIMB OVER THE WOOD SPLITTER AT ANY TIME.
- DO NOT HANDLE LOGS BY THEIR ENDS WHEN YOU POSITION THEM ON THE WOOD SPLITTER.



- ALWAYS UNPLUG THE WOOD SPLITTER FROM THE POWER SOURCE BEFORE ADJUSTING OR SERVICING THE MACHINE. IF YOU HAVE TO STOP TO REMOVE ANY DEBRIS FROM THE MACHINE, ALWAYS RETRACT THE RAM AND UNPLUG THE MACHINE.
  - DO NOT MOVE OR REPOSITION THE WOOD SPLITTER WITH ITS MOTOR RUNNING.
  - DO NOT, UNDER ANY CONDITIONS, REMOVE, BEND, CUT, FIT, WELD, OR OTHERWISE ALTER STANDARD PARTS ON THE DR 5 -TON ELECTRIC WOOD SPLITTER. MODIFICATIONS TO YOUR MACHINE COULD CAUSE PERSONAL INJURIES AND WILL VOID YOUR WARRANTY.
  - WHILE USING THE DR 5 -TON ELECTRIC WOOD SPLITTER, DON'T HURRY OR TAKE THINGS FOR GRANTED.
  - DO NOT OPERATE THE MACHINE WHEN UNDER THE INFLUENCE OF ALCOHOL OR MEDICATION.
  - USE THE MACHINE ONLY IN DAYLIGHT OR GOOD ARTIFICIAL LIGHT.
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### *Safety for Children*

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**! WARNING!**

TRAGIC ACCIDENTS CAN OCCUR IF THE OPERATOR IS NOT ALERT TO THE PRESENCE OF CHILDREN. CHILDREN ARE OFTEN ATTRACTED TO THE WOOD SPLITTER AND THE SPLITTING ACTIVITY. *NEVER* ASSUME THAT CHILDREN WILL REMAIN WHERE YOU LAST SAW THEM.

- KEEP CHILDREN OUT OF THE SPLITTING AREA AND UNDER THE WATCHFUL CARE OF A RESPONSIBLE ADULT.
  - BE ALERT AND TURN THE WOOD SPLITTER OFF IF CHILDREN ENTER THE WORK AREA.
  - NEVER ALLOW CHILDREN TO OPERATE THE DR 5 -TON ELECTRIC WOOD SPLITTER.
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## *Safety with Electric-Powered Machines*

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### **WARNING!**

NEVER OVERLOOK THE HAZARDS OF ELECTRICITY. ALWAYS FOLLOW THESE PRECAUTIONS:

- NEVER OPEN THE SWITCH BOX OR MOTOR COVER. NEVER ATTEMPT ANY ELECTRICAL REPAIRS YOURSELF. IF IN DOUBT, CONSULT A QUALIFIED ELECTRICIAN OR CONTACT COUNTRY HOME PRODUCTS' TOLL-FREE SUPPORT AT 1-800-DR-OWNER (376-9637) FOR HELP OR INFORMATION.
  - NEVER OPERATE THE WOOD SPLITTER IF THERE IS AN ELECTRICAL HAZARD PRESENT.
  - NEVER OPERATE THE WOOD SPLITTER IN WET CONDITIONS.
  - NEVER OPERATE THE WOOD SPLITTER WITH A DAMAGED ELECTRICAL CORD OR DAMAGED EXTENSION CORD.
  - NEVER PULL ON THE POWER CORD TO MOVE THE MACHINE.
  - ALWAYS GRASP THE POWER CORD PLUG WHEN UNPLUGGING THE CORD FROM THE OUTLET; NEVER PULL THE PLUG OUT BY THE CORD.
  - NEVER OPERATE THE WOOD SPLITTER UNLESS THE POWER CORD IS PLUGGED INTO A PROPERLY GROUNDED OUTLET, WHICH SUPPLIES 110-120V POWER, AND IS PROTECTED BY A 15-AMP CIRCUIT BREAKER.
  - NEVER TAMPER WITH SAFETY DEVICES. CHECK THEIR PROPER OPERATION REGULARLY.
  - IF AN EXTENSION CORD IS TO BE USED, IT IS RECOMMENDED THAT THE CONNECTION BETWEEN THE POWER CORD AND THE EXTENSION CORD BE KEPT WELL AWAY FROM ANY WATER.
  - NEVER USE AN EXTENSION CORD LONGER THAN 33 FEET OR SMALLER THAN 12 AWG IN DIAMETER BECAUSE THE CORD WILL PRODUCE A VOLTAGE DROP THAT WILL PREVENT THE MOTOR FROM SUPPLYING FULL POWER AND MAY CAUSE DAMAGE TO THE MOTOR.
  - ALWAYS KEEP THE POWER CORD AND/OR EXTENSION CORD AWAY FROM EXCESSIVE HEAT, OIL AND SHARP OBJECTS.
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Tip: Reference page 23 for Troubleshooting Tips.

## Hydraulic Safety

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### **WARNING!**

ESCAPING PRESSURIZED FLUID FROM HYDRAULIC SYSTEM LEAKS CAN HAVE ENOUGH FORCE TO PENETRATE SKIN AND CAUSE SERIOUS INJURY OR DEATH. HYDRAULIC FLUID CAN REMAIN PRESSURIZED WHILE THE MOTOR IS OFF DUE TO THE RETURN SPRING FORCE ON THE RAM. ALWAYS FOLLOW THESE PRECAUTIONS:

- NEVER USE YOUR HAND OR ANY PART OF YOUR BODY TO CHECK FOR HYDRAULIC SYSTEM LEAKS WHILE THE SYSTEM IS PRESSURIZED.
  - NEVER REMOVE THE FILL/DIPSTICK CAP FROM THE HYDRAULIC FLUID PORT WHILE THE MOTOR IS RUNNING OR WHILE THE TANK IS STILL WARM AFTER THE MOTOR IS SHUT OFF. HOT PRESSURIZED FLUID CAN CAUSE SERIOUS INJURY, SO WAIT FOR THE HYDRAULIC TANK TO COOL BEFORE REMOVING CAP.
  - THE WOOD SPLITTER MUST BE ON A LEVEL SURFACE.
  - ALWAYS RELEASE RESIDUAL ENERGY FROM PRESSURIZED HYDRAULIC FLUID AND ALLOW THE FLUID TO COOL BEFORE DOING ANY MAINTENANCE OR REPAIR WORK ON THE WOOD SPLITTER.
  - PLEASE FOLLOW THESE STEPS TO DEPRESSURIZE THE SYSTEM AND RELEASE RESIDUAL HYDRAULIC ENERGY BEFORE STARTING ANY REPAIRS.
    - UNPLUG THE WOOD SPLITTER FROM THE POWER SOURCE.
    - MOVE THE OPERATING HANDLE DOWN AND UP FROM ONE LIMIT OF TRAVEL TO THE OTHER AT LEAST FOUR TIMES AND HOLDING THE HANDLE FOR THREE SECONDS AT EACH LIMIT OF TRAVEL. THE RAM SHOULD NOT MOVE DURING THE 4TH CYCLE AND SHOULD BE FULLY RETRACTED.
    - CALL 1(800) DR-OWNER (376-9637), OR A QUALIFIED HYDRAULIC MECHANIC, FOR ASSISTANCE TO REPLACE WORN COMPONENTS.
  - PERIODICALLY CHECK FOR HYDRAULIC FLUID LEAKS BY PLACING A SHEET OF CARDBOARD UNDER THE WOOD SPLITTER WHILE THE SYSTEM IS RUNNING.
  - GET PROFESSIONAL MEDICAL HELP AT ONCE IF HYDRAULIC OIL PENETRATES ANYONE'S SKIN.
  - NEVER MAKE ANY ADJUSTMENTS TO THE HYDRAULIC SYSTEM.
- 

**Tip:** Reference page 23 for Troubleshooting Tips.

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**! CAUTION!**

THE WOOD SPLITTER MUST BE OPERATED SAFELY TO PREVENT OR MINIMIZE THE RISK OF MINOR OR MODERATE INJURY. UNSAFE OPERATION CAN CREATE A NUMBER OF HAZARDS FOR YOU. ALWAYS TAKE THE FOLLOWING PRECAUTIONS WHEN OPERATING THIS WOOD SPLITTER:

- KEEP IN MIND THAT THE OPERATOR OR USER IS RESPONSIBLE FOR ACCIDENTS OR HAZARDS OCCURRING TO OTHER PEOPLE, THEIR PROPERTY, AND THEMSELVES.
  - WEAR LONG PANTS WHILE SPLITTING WOOD.
  - ALWAYS CUT THE ENDS OF THE LOG TO BE SPLIT AS SQUARELY AS POSSIBLE.
  - NEVER SPLIT MORE THAN ONE LOG AT A TIME UNLESS THE RAM HAS BEEN FULLY EXTENDED AND A SECOND LOG IS NEEDED TO COMPLETE THE SPLIT OF THE FIRST LOG.
  - NEVER PUT ANYTHING BETWEEN THE LOG GUIDING PLATES AND THE SIDE OF A LOG; LOGS SPREAD AS THEY ARE FORCED AGAINST THE WEDGE.
  - NEVER OPERATE THE RAM IN A STALLED POSITION FOR MORE THAN 5 SECONDS. THE HYDRAULIC FLUID MAY OVERHEAT AND DAMAGE THE MACHINE. IF THE WOOD BEING SPLIT IS EXCESSIVELY HARD, STOP THE MACHINE, ROTATE THE LOG 90° AND TRY AGAIN. IF THE LOG STILL CANNOT BE SPLIT, REJECT THE LOG AS IT EXCEEDS THE CAPACITY OF THE MACHINE.
  - NEVER LEAVE THE WOOD SPLITTER UNATTENDED. IF YOU LEAVE THE AREA, UNPLUG THE POWER SOURCE.
  - CLEAN UP AS YOU WORK; ACCUMULATED SPLIT WOOD AND WOOD CHIPS CAN CREATE A HAZARDOUS WORK ENVIRONMENT.
  - ALWAYS CHECK THE ALIGNMENT OF MOVING PARTS AND FOR DAMAGED OR WORN PARTS.
  - KEEP ALL NUTS AND BOLTS TIGHT AND KEEP THE EQUIPMENT AND ATTACHMENTS IN GOOD OPERATING CONDITION.
  - ALWAYS CHECK THE POWER CABLE FOR DAMAGE PRIOR TO EVERY USE AND THAT IT IS FULLY PROTECTED FROM DAMAGE FROM THE EQUIPMENT OR MATERIALS WHILE OPERATING THE MACHINE.
  - SEE MANUFACTURER'S INSTRUCTIONS FOR PROPER OPERATION AND INSTALLATION OF ACCESSORIES. ONLY USE ACCESSORIES APPROVED BY COUNTRY HOME PRODUCTS, INC.
  - NO LIST OF WARNINGS AND CAUTIONS CAN BE ALL-INCLUSIVE. IF SITUATIONS OCCUR THAT ARE NOT COVERED BY THIS MANUAL, THE OPERATOR MUST APPLY COMMON SENSE AND OPERATE THIS WOOD SPLITTER IN A SAFE MANNER. CALL 1(800) DR-OWNER (376-9637) FOR ASSISTANCE.
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### ***Additional Information and Potential Changes***

Country Home Products, Inc. reserves the right to discontinue, change, and improve its products at any time without notice or obligation to the purchaser. The descriptions and specifications contained in this manual were in effect at printing. Equipment described within this manual may be optional. Some illustrations may not be applicable to your machine.

## CHAPTER 3

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# SETTING UP YOUR DR 5 -TON ELECTRIC WOOD SPLITTER

This chapter outlines a few simple steps you will need to follow to set up your new machine before you use it. It may be helpful to familiarize yourself with the controls and features on your new wood splitter by reviewing the picture in the next section before beginning the steps outlined in this chapter. **If you have any questions at all, please feel free to contact our Customer Service Representatives at our toll free number: 1-800-DR-OWNER (376-9637).**

## DR 5-TON ELECTRIC WOOD SPLITTER Controls and Features

**NOTE:** The model shown in Figure 1 may look slightly different from your machine.

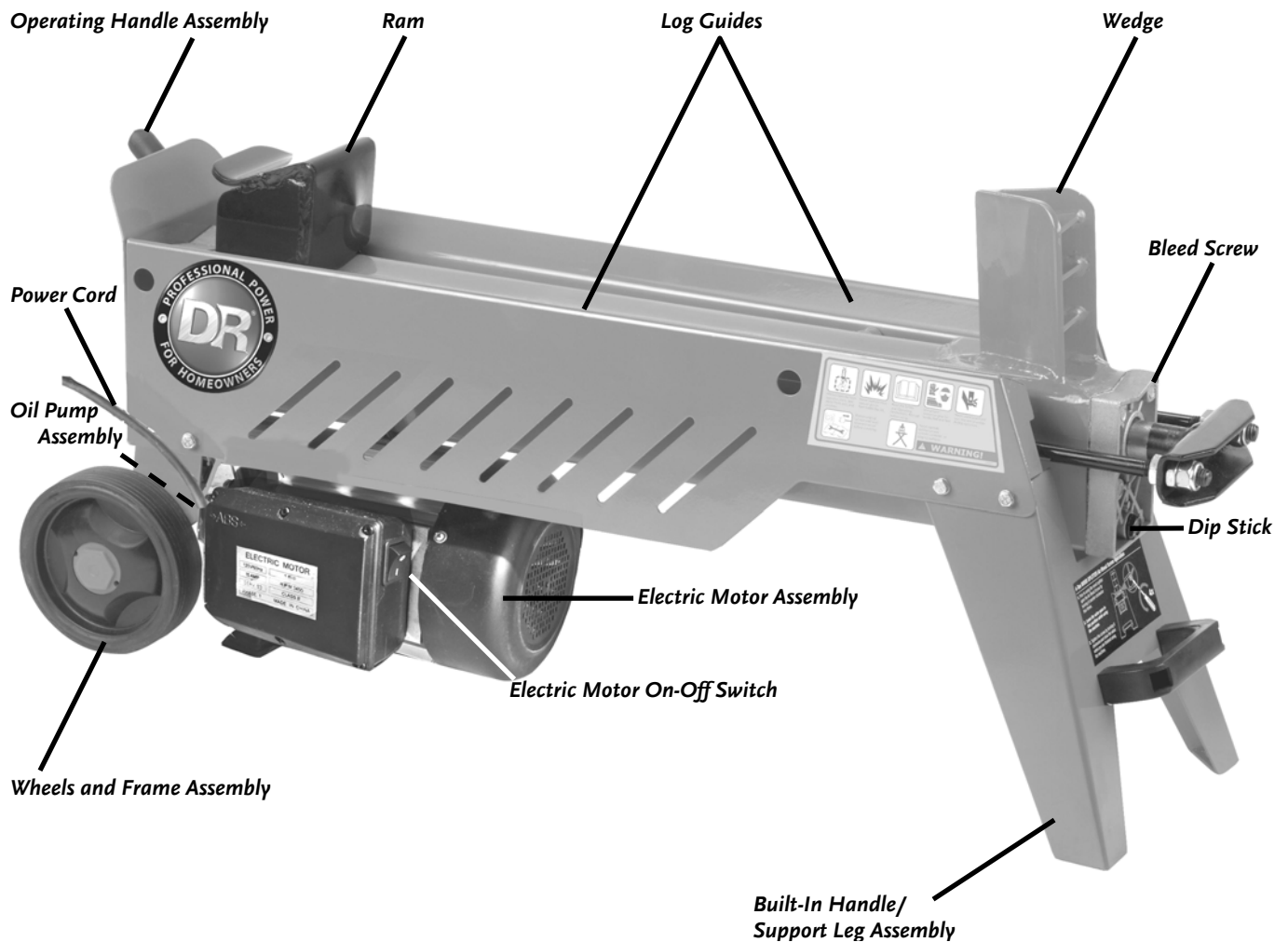


Figure 1

## Unpacking the Wood Splitter

**NOTE:** Unpacking the DR 5 -TON ELECTRIC WOOD SPLITTER is a two-person job. We recommend you have an extra set of hands available before you begin.

### Tools and Parts Supplied:

- 13mm/16mm wrench
- 10mm/12mm wrench
- Wheel Frame Assembly
- Extra hydraulic seal
- Operating Handle w/Knob
- (2) Acorn Nuts (located on the machine - remove them before installing the Wheel Frame Assembly)
- (2) 6mm Bolts and Flat Washers

### Additional Tool and Protection Needed for Assembly:

- Metal Shears (Side Cutters)
- Eye Protection

## **! CAUTION!**

**WEAR EYE PROTECTION WHEN CUTTING THE BANDING. THE BANDING MAY HAVE A LOT OF TENSION ON IT AND MAY SNAP AND CUT YOU. ALWAYS STAND TO ONE SIDE WHEN CUTTING THE BAND.**

1. If you have banding around the shipping box, stand to one side and carefully cut the banding and open the box.
2. With the help of another person (the machine weighs 105 pounds), carefully remove your new DR 5 -TON ELECTRIC WOOD SPLITTER from the shipping box and rest the machine on the front support legs and the rear center rest.
3. If you have banding around your motor and frame as shown in **Figure 2**, cut the banding. **Be careful when cutting the banding.**
4. Remove the wooden packing wedge between the motor and the housing.

**NOTE:** Look under the machine, the wedge may be difficult to see.

5. Remove any remaining packing materials from the wood splitter. Do not discard your packaging material until you are fully satisfied with your new DR 5 -TON ELECTRIC WOOD SPLITTER.



**Figure 2**

6. Attach the Wheel Frame Assembly to the main frame using the two Acorn nuts and the 16mm wrench (**Figure 3**).

**NOTE:** The Side Flanges of the Wheel Frame Assembly fit inside the Log Guides (**Figure 3**).

7. Secure the Wheel Frame Assembly to the main frame with the two (2) 6mm Bolts and Flat Washers (**Figure 4**) using the 10mm wrench.

8. Screw the Operating Handle (found in the plastic bag) clockwise onto the threaded shaft protruding from the Support Plate at the rear of the machine and tighten it securely using the 10mm wrench (**Figure 4**).

**NOTE:** Before attempting to operate your new DR 5-TON ELECTRIC WOOD SPLITTER, read the section titled "Before Starting the Electric Motor" on page 13 in this manual.

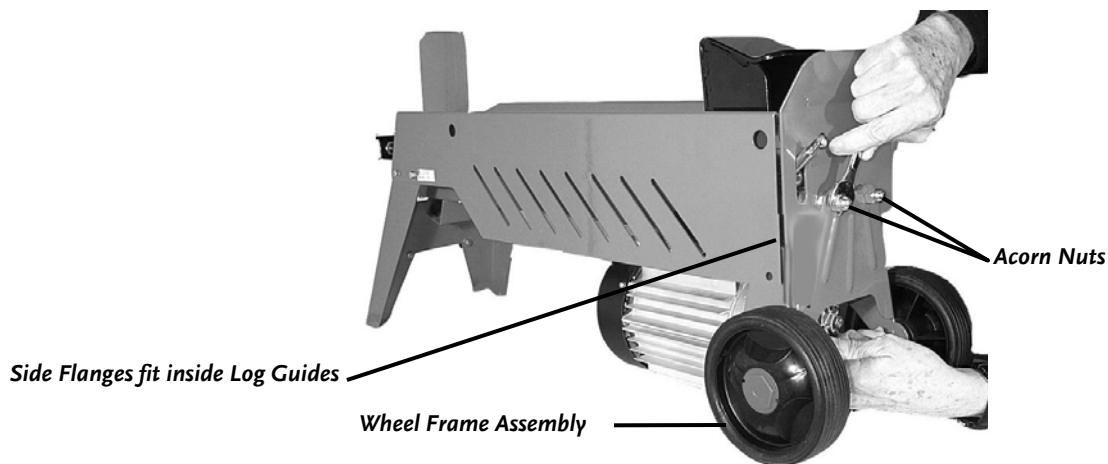


Figure 3

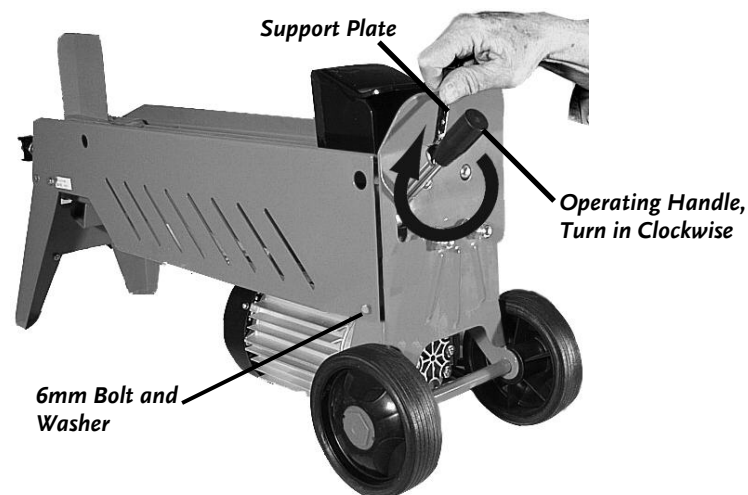


Figure 4



## OPERATING YOUR DR 5 -TON ELECTRIC WOOD SPLITTER

This chapter covers the procedures for operating your new DR 5 -TON ELECTRIC WOOD SPLITTER and discusses basic operation features. You may find it helpful to review the Controls and Features on page 10.

### ***Before Starting the Electric Motor***

#### **Tools Needed:**

- Adjustable Wrench
- Small Phillips Screwdriver

#### **1. Inspect the area in which you will be working.**

- Place the wood splitter only on a firm, level, supported surface 2 to 3 feet above the ground.
- NEVER operate the wood splitter on the ground as there is risk of injury from flying chips and would not be comfortable for the operator while in use. If necessary, block the wood splitter wheels to prevent them from rolling.
- The site must be free of slippery surfaces and potentially hazardous obstacles. Also make sure there won't be people or animals within a six-foot radius around the wood splitter.

#### **2. Plan your work before you start.**

- Have the logs to be split positioned where they can be easily reached. Remember, the maximum log length is 20" and the maximum diameter is 12" for this wood splitter.
- Split only dry, seasoned logs as they will split more easily than green logs. Green logs may stick on the wedge and jam the wood splitter.
- Have a site located where the split wood can be stacked or loaded onto a truck or nearby carrier.

### **! NOTICE!**

- **IT IS IMPORTANT TO ADJUST THE AIR BLEED SCREW EACH TIME YOU USE THE MACHINE. YOU WILL NEED A STANDARD PHILLIPS SCREWDRIVER TO MAKE THIS ADJUSTMENT (FIGURE 5).**
- **USE CARE, DO NOT OVER TIGHTEN AND STRIP THE AIR BLEED SCREW THREADS.**

3. Prior to using the wood splitter, open the Air Bleed Screw by turning it counter-clockwise four (4) times. **Leave the Air Bleed Screw open in this position while using the machine.** When you are finished using the machine, tighten the Air Bleed Screw by turning it clockwise. Do not over tighten and strip the Air Bleed Screw.

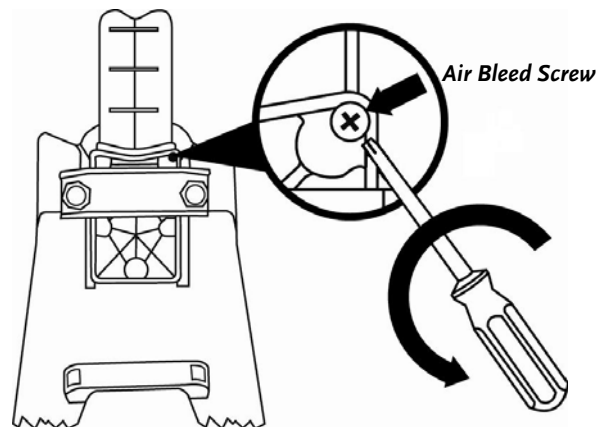
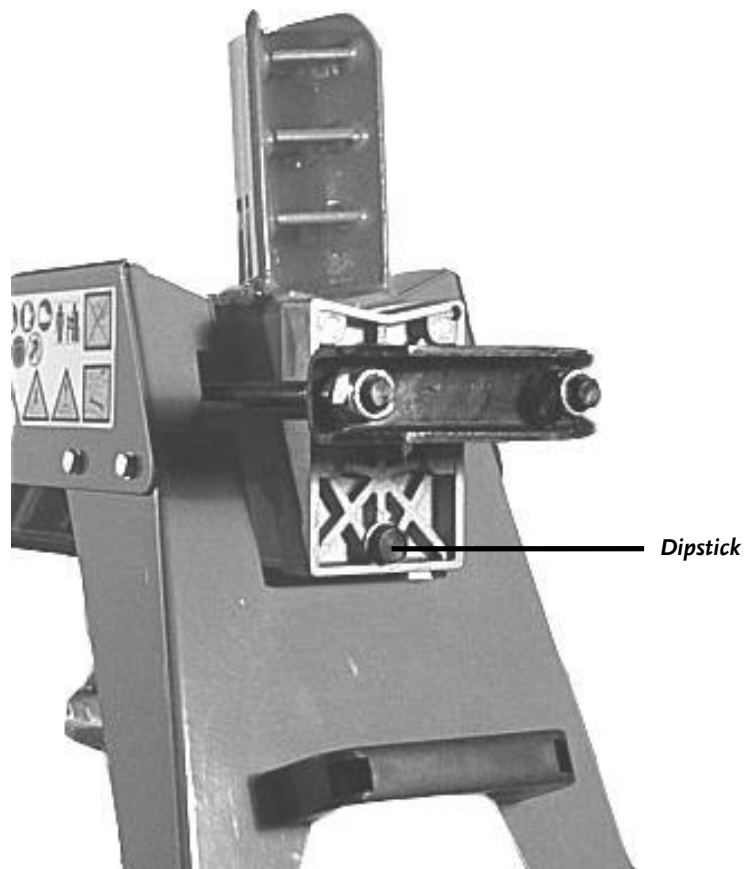


Figure 5

4. Connect the main lead from the wood splitter to a standard electrical, 110-120VAC, grounded power source fused at 15 AMPS. If using an extension cord, it must be 12AWG and less than 33 feet long with a rating of 15 AMPS. Route the cord from the wood splitter to the power source in such a way that safeguards against the cord becoming damaged during the wood splitting session. Be sure to avoid wet conditions.
  5. Turn ON the Motor, then cycle the Ram several times using the Operating Handle. After cycling, if the Ram does not travel to within 6" of the wedge, check the hydraulic fluid level by tipping the wood splitter up on the wheels and motor.
  6. Clean the area around the Hydraulic Fluid Fill/Drain Port (**Figure 6**) and then, using the adjustable wrench, unscrew the Dipstick located in the Hydraulic Fluid Fill/Drain Port.
  7. Clean the Dipstick and check the level (do not screw the Dipstick down when checking); it should be between the two marks on the Dipstick. If the fluid is too high, simply pour out a little at a time into a suitable container by tilting the wood splitter. If the fluid is too low, add an AW32 hydraulic fluid, a little at a time until the level falls between the two marks on the dipstick.
  8. Clean the Dipstick and the O-ring seal thoroughly and reinstall being careful not to damage the threads of the aluminum Hydraulic Fluid Cylinder End Cover.
- Tip:** In cold weather, cycle the Ram several times to warm-up the hydraulic fluid. This will provide full power from your DR 5 -TON ELECTRIC WOOD SPLITTER.



**Figure 6**

## Splitting Safety

The DR 5 -TON ELECTRIC WOOD SPLITTER has a Ram with 5 tons of force.

### **! WARNING!**

- **ALWAYS** BE SURE TO STAND INSIDE THE OPERATOR ZONE TO RUN THE WOOD SPLITTER (FIGURE 7). THIS IS THE AREA DIRECTLY BEHIND YOUR DR 5 -TON ELECTRIC WOOD SPLITTER. NEVER OPERATE THE WOOD SPLITTER FROM ANYPLACE ELSE.
- HANDLE LOGS ONLY FROM THE SIDES, NEVER BY THE ENDS.
- FOR BEST SPLITTING RESULTS, PLACE LOG FLAT ON THE BEAM BETWEEN THE LOG GUIDES (FIGURE 7) WITH BUTT END TOWARD HYDRAULIC CYLINDER RAM.
- NEVER ATTEMPT TO SPLIT A LOG AT AN ANGLE AND BE SURE THE WEDGE AND RAM WILL CONTACT THE LOG SQUARELY ON THE ENDS.
- BE VERY CAREFUL TO KEEP ARMS AND FINGERS AWAY FROM THE WEDGE AND RAM.
- KEEP HANDS AND FINGERS CLEAR AT ALL TIMES. MANY WOOD SPLITTING ACCIDENTS HAPPEN ON THE RETURN PORTION OF THE STROKE.
- DO NOT PUT ANY PART OF YOUR BODY WITHIN THE SPLITTING AREA. USE A STICK IF YOU NEED TO REMOVE DEBRIS FROM THE SPLITTING AREA (FIGURE 8).

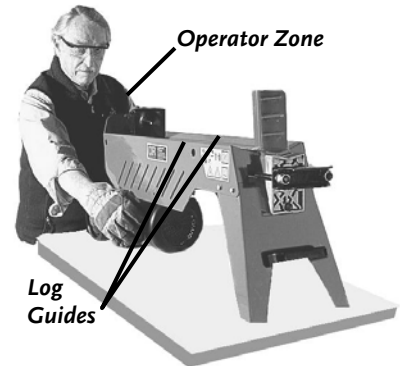


Figure 7

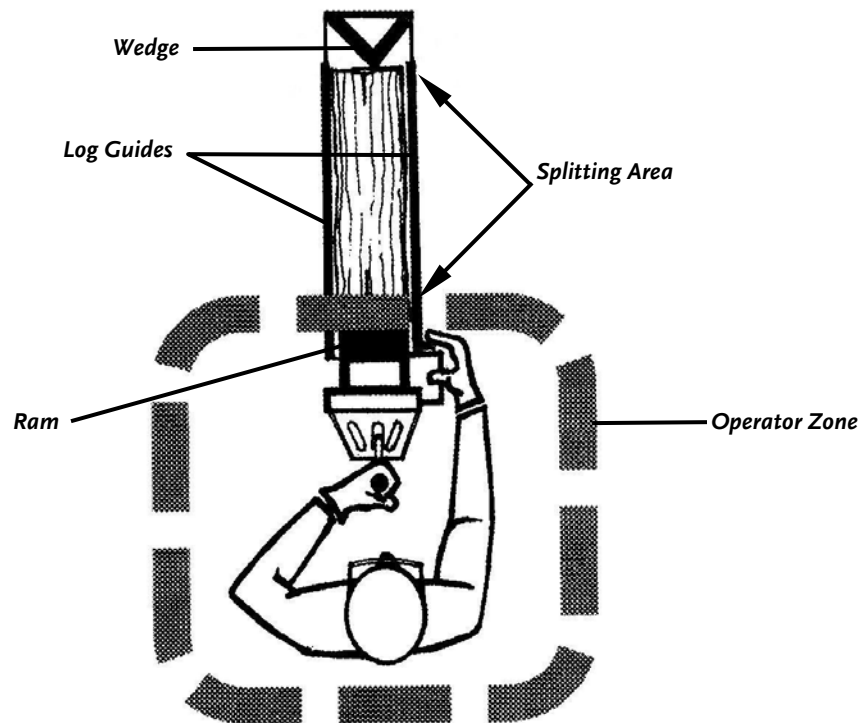


Figure 8

## Operating the DR 5 -TON ELECTRIC WOOD SPLITTER

**NOTE 1:** The hydraulic control is a single handle valve called the Operating Handle. The ram travels forward when the Operating Handle is held down and the Electric Motor Control Switch is ON. The cylinder will retract when the Operating Handle is released.

**NOTE 2:** Before starting the splitting operation, the log Ram should be cycled 3 to 4 times back and forth (with the Air Bleed Screw open) to help remove any air that may have mixed into the hydraulic fluid from shipping and handling. See Step 3 on page 13 for the Air Bleed Screw Operation.

**Tip:** In cold weather, cycling the Ram a few times will also warm the hydraulic fluid which will allow you to split wood with full power from your machine.

1. With a log properly loaded, and with the Air Bleed Screw open, turn ON the Electric Motor and wait a few seconds as the motor creates pressure in the hydraulic pump.
2. When safe to do so, push down on the Operating Handle. The Ram will now compress the log against the wedge, splitting the log.
3. Keep holding the Operating Handle down until the split pieces of the log fall away or the Ram has reached the end of its stroke. When you have finished splitting a log, release the Operator Handle. This will cause the Ram to retract to its start position.

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### **NOTICE!**

**IF THE LOG DOES NOT SPLIT IMMEDIATELY, DO NOT CONTINUE THE FORWARD THRUST OF THE RAM FOR MORE THAN 5 SECONDS. TO DO SO CAN DAMAGE THE SPLITTER. AFTER THE RAM HAS RETRACTED, TRY REPOSITIONING THE LOG ON THE SPLITTER OR SET THE LOG ASIDE.**

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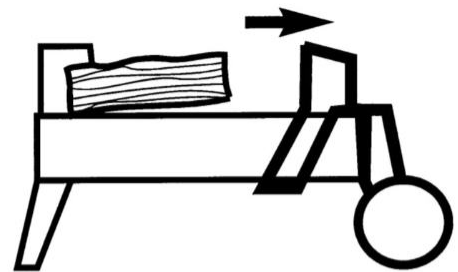
4. Make sure nothing will interfere with the Ram while it retracts.
5. Stack the split wood as you work. This will provide a safer work area by keeping it uncluttered; avoiding the danger of tripping or damaging the power cord.

## How to Free a Jammed Log from the Wedge

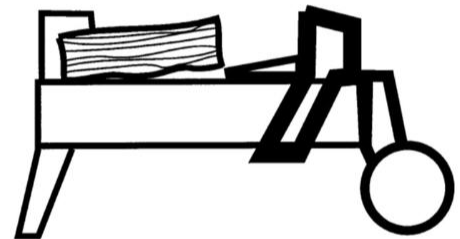
### **! WARNING!**

- NEVER PLACE YOUR HANDS NEAR THE LOG WHEN ATTEMPTING TO FREE IT FROM THE WEDGE.
- NEVER ASK FOR THE ASSISTANCE OF ANOTHER PERSON WHEN FREEING A JAMMED LOG.
- NEVER TRY TO EXTRACT THE JAMMED LOG BY HITTING IT WITH A TOOL; THIS COULD DAMAGE THE MOTOR COVER AND HYDRAULIC PUMP COVER, ETC.

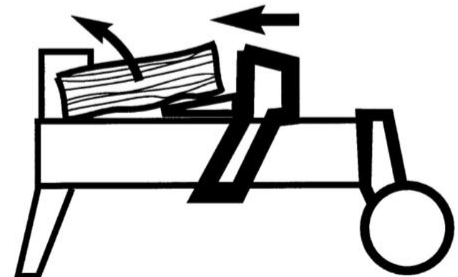
1. Release the Operator Handle so that the Ram fully retracts (*Figure 9*).



2. Insert a plastic or wooden wedge under the jammed log (*Figure 9*) and activate the ram to push the wood wedge under the jammed log.



3. Repeat this process, using progressively larger wedges, until the jammed log is freed (*Figure 9*).



*Figure 9*

4. Lift the log off the wood splitter wedge after it is loosened.



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## MAINTAINING THE DR 5 -TON ELECTRIC WOOD SPLITTER

This chapter covers regular maintenance procedures that will ensure the best performance and long life of your wood splitter.

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### **WARNING!**

WHEN PERFORMING ANY MAINTENANCE, YOU MUST FIRST UNPLUG THE WOOD SPLITTER FROM THE POWER SOURCE AND MAKE SURE THE HYDRAULIC SYSTEM IS DEPRESSURIZED AND THE FLUID HAS COOLED. READ THE "GENERAL SAFETY RULES" (CHAPTER 2) OF THIS MANUAL BEFORE PERFORMING ANY REPAIRS OR MAINTENANCE.

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#### *Regular Maintenance Check List before each use:*

- Clean the log Ram and Guides.
- Check the Splitting Wedge for sharpness (page 20).
- Check the general condition of the wood splitter, e.g.; nuts, bolts, welds etc.

#### *Before each season:*

- Check the hydraulic fluid level (page 20). Use an AW32 hydraulic fluid for operation over 40°F and Dextron® automatic transmission fluid for operation below 40°F.

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### **NOTICE!**

NEVER DRAIN THE HYDRAULIC FLUID. JUST ADD ENOUGH TO REPLENISH THE LOST VOLUME.

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## Adjusting the Hydraulic Fluid Level

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### **WARNING!**

WHEN PERFORMING ANY MAINTENANCE, YOU MUST FIRST UNPLUG THE WOOD SPLITTER FROM THE POWER SOURCE AND MAKE SURE THE HYDRAULIC SYSTEM IS DEPRESSURIZED AND THE FLUID HAS COOLED. READ THE "GENERAL SAFETY RULES" (CHAPTER 2) OF THIS MANUAL BEFORE PERFORMING ANY REPAIRS OR MAINTENANCE.

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#### Tools Needed:

- Adjustable Wrench
- Small Phillips Screwdriver

1. Check the hydraulic fluid level by tipping the wood splitter up on the wheels and motor.
2. Clean the area around the Hydraulic Fluid Fill/Drain Port. It is important not to let any debris enter the fluid reservoir; see **Figure 6** on page 14. Loosen the Bleed Screw and then, using the adjustable wrench, unscrew the Dipstick located in the Hydraulic Fluid Fill/Drain Port.
3. Clean the Dipstick and replace without screwing down to check the level; it should be between the two marks on the Dipstick. If the fluid is too high, simply pour out a little at a time into a suitable container by tilting the wood splitter. If the fluid is too low, add an AW32 hydraulic fluid, a little at a time, until the level falls between the two marks on the Dipstick.
4. Clean the Dipstick and the O-ring seal thoroughly and reinstall, being careful not to damage the threads of the aluminum Hydraulic Fluid Cylinder End Cover.
5. Open the Air Bleed Screw using a small Phillips screwdriver 4 turns and cycle the Ram back and forth 3 or 4 times to purge any air from the hydraulic system; see **Figure 5** on page 13.

## Sharpening the Wedge

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### **WARNING!**

WHEN PERFORMING ANY MAINTENANCE, YOU MUST FIRST UNPLUG THE WOOD SPLITTER FROM THE POWER SOURCE AND MAKE SURE THE HYDRAULIC SYSTEM IS DEPRESSURIZED AND THE FLUID HAS COOLED. READ THE "GENERAL SAFETY RULES" (CHAPTER 2) OF THIS MANUAL BEFORE PERFORMING ANY REPAIRS OR MAINTENANCE.

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#### Tool Needed:

- Fine-Toothed Flat File

Before each splitting session, check the sharpness of the wedge. As required, remove any burrs or flat spots on the wedge blade using a fine-toothed flat file.



## Electrical Connections

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### **WARNING!**

THE DR 5 -TON ELECTRIC WOOD SPLITTER MUST BE GROUNDED BEFORE OPERATION.

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## End of Season and Storage

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### **WARNING!**

WHEN PERFORMING ANY MAINTENANCE, YOU MUST FIRST UNPLUG THE WOOD SPLITTER FROM THE POWER SOURCE AND MAKE SURE THE HYDRAULIC SYSTEM IS DEPRESSURIZED AND THE FLUID HAS COOLED. READ THE "GENERAL SAFETY RULES" (CHAPTER 2) OF THIS MANUAL BEFORE PERFORMING ANY REPAIRS OR MAINTENANCE.

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- Wipe down the wood splitter to remove any moisture, wood chips and dirt that may have accumulated on the Log Guide Rails, Hydraulic Control and Motor Fan Housing.
- Apply a thin coating of oil or #2 Lithium Grease to the Wedge Cutting Edge to prevent rust.
- Store the DR 5 -TON ELECTRIC WOOD SPLITTER in a dry area to prevent moisture from damaging the electrical components of the machine.
- Open the Air Bleed Screw by turning counter-clockwise 4 times and then retighten by turning clockwise prior to storing the machine; see *Figure 5* on page 13.

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### **NOTICE!**

USE CARE, DO NOT OVER TIGHTEN AND STRIP THE AIR BLEED SCREW THREADS.

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# TROUBLESHOOTING

Most problems are easy to fix. Consult the Troubleshooting Table below for common problems and their solutions. If you continue to experience problems call Country Home Products, Inc. for support.

## Troubleshooting Table



**WHEN PERFORMING ANY MAINTENANCE, YOU MUST FIRST UNPLUG THE WOOD SPLITTER FROM THE POWER SOURCE AND MAKE SURE THE HYDRAULIC SYSTEM IS DEPRESSURIZED AND THE FLUID HAS COOLED. READ THE "GENERAL SAFETY RULES" (CHAPTER 2) OF THIS MANUAL BEFORE PERFORMING ANY REPAIRS OR MAINTENANCE.**

<i>SYMPTOM</i>	<i>POSSIBLE CAUSE</i>
<i>Ram will not move or is slow to respond.</i>	<ul style="list-style-type: none"> <li>⇒ Is the Bleed Screw adjusted properly? See page 13, Step 3.</li> <li>⇒ Bleed any accumulated air from the hydraulic system. See page 20, step 5.</li> <li>⇒ Is the wood splitter on a level surface? See page 13, step 1.</li> <li>⇒ Make sure the voltage at the outlet or extension cord connection to the wood splitter is at least 105VAC.</li> <li>⇒ The hydraulic fluid may be low. Check and adjust the level as required; see page 20.</li> <li>⇒ The wood being split may be too hard, it has knots or its fiber is very tough.</li> </ul>
<i>Log fails to split.</i>	<ul style="list-style-type: none"> <li>⇒ Check the possible causes for the previous Ram operation symptom.</li> <li>⇒ Incorrect positioning of the log. Re-position the log flat on the splitting beam with the ends squarely against the Ram face and Splitting Wedge.</li> <li>⇒ Log exceeds permitted dimensions or the wood is too hard for the capacity of the machine. The maximum log length is 20" with a maximum diameter of 12" for the DR 5 -TON ELECTRIC WOOD SPLITTER.</li> <li>⇒ The wedge has burrs or nicks and needs to be sharpened; see page 20.</li> <li>⇒ There may be a hydraulic fluid leak. Locate the leak using a piece of cardboard under the machine and call <b>1(800) DR-OWNER (376-9637)</b>, or a qualified hydraulic mechanic for assistance, to replace worn components.</li> <li>⇒ Hydraulic pressure is too low. Call <b>1(800) DR-OWNER (376-9637)</b>, or a qualified hydraulic mechanic for assistance to replace worn components.</li> </ul>

**! WARNING!**

WHEN PERFORMING ANY MAINTENANCE, YOU MUST FIRST UNPLUG THE WOOD SPLITTER FROM THE POWER SOURCE AND MAKE SURE THE HYDRAULIC SYSTEM IS DEPRESSURIZED AND THE FLUID HAS COOLED. READ THE "GENERAL SAFETY RULES" (CHAPTER 2) OF THIS MANUAL BEFORE PERFORMING ANY REPAIRS OR MAINTENANCE.

<b>SYMPTOM</b>	<b>POSSIBLE CAUSE</b>
<i>Ram advances with a jerky motion or with strong vibrations.</i>	<ul style="list-style-type: none"><li>⇒ Check the possible causes for the Ram operation symptom on the previous page.</li><li>⇒ Check the hydraulic fluid level; see page 20.</li><li>⇒ Bleed any accumulated air from the hydraulic system. See page 20, Step 5. If the problem persists, call <b>1 (800) DR-OWNER (376-9637)</b> for assistance.</li></ul>
<i>Hydraulic fluid leaking from the ram or other external parts.</i>	<ul style="list-style-type: none"><li>⇒ Check that the Bleed Screw has been tightened before moving the machine. Use care: <b>Do not over tighten and strip the Bleed Screw Threads.</b></li><li>⇒ The hydraulic fluid seals may be worn. Call <b>1 (800) DR-OWNER (376-9637)</b>, or a qualified hydraulic mechanic for assistance to replace worn components.</li></ul>

**NOTE:** Country Home Products, Inc. has provided Parts Lists and Schematic Diagrams as reference tools only. CHP makes no representation or warranty of any kind to the buyer that he/she is qualified to make any repairs to the product or that he/she is qualified to replace any parts of the product. In fact, CHP expressly states that all repairs and parts replacement should be undertaken by certified and licensed technicians and not by the buyer. The buyer assumes all risk and liability arising out of his/her repairs to the original product or replacement parts thereto, or arising out of his/her installation of replacement parts thereto.

## PARTS LISTS, SCHEMATIC DIAGRAMS AND WARRANTY

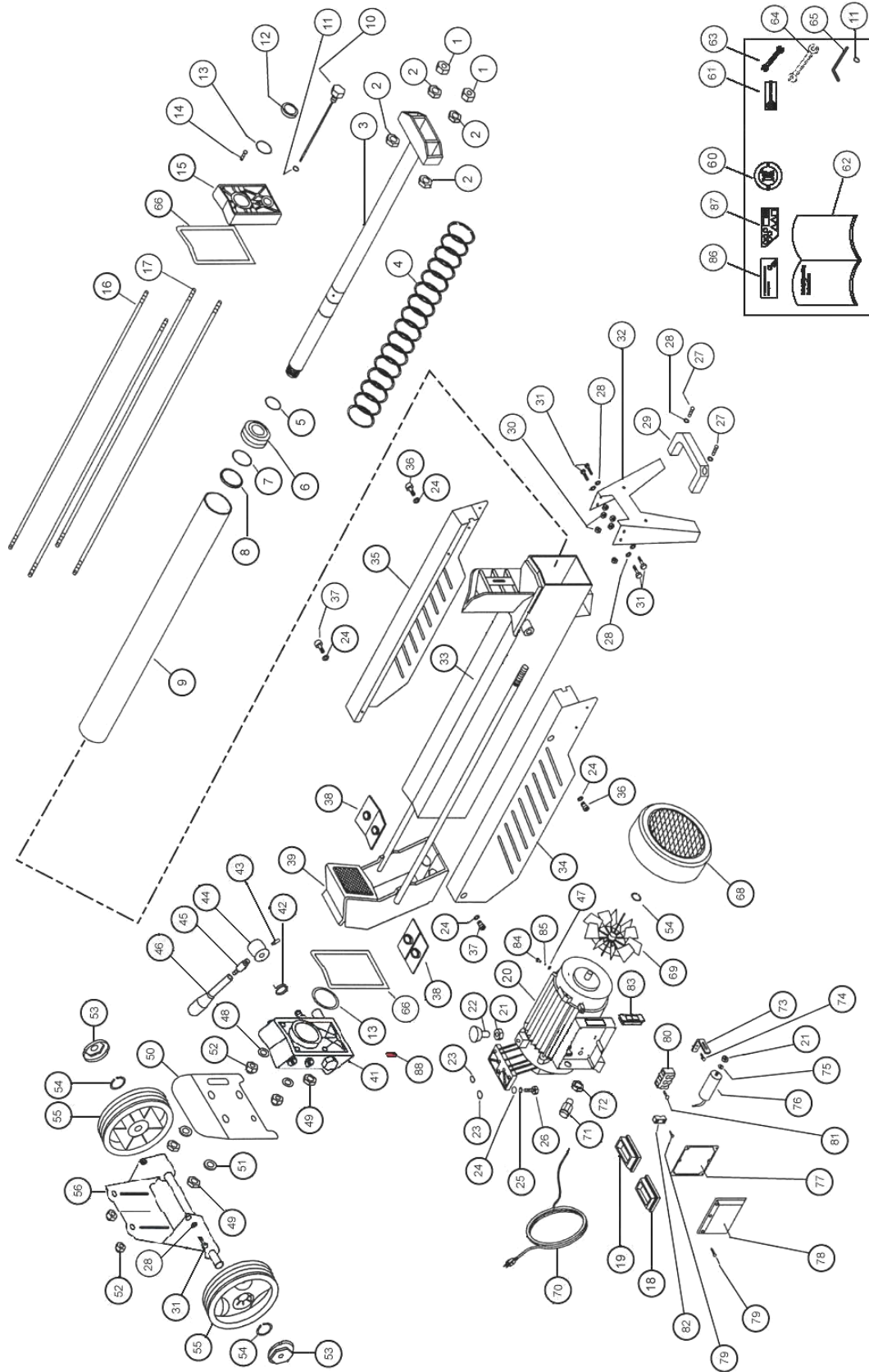
### Parts List - DR 5 -TON ELECTRIC WOOD SPLITTER

*NOTE: Part numbers listed are available through Country Home Products, Inc.*

<u>Ref#</u>	<u>Part#</u>	<u>Description</u>	<u>Ref#</u>	<u>Part#</u>	<u>Description</u>
01	204271	Nut, Hex, M14	35	204851	Plate, Log Guiding, Left
02	204281	Nut, Hex, M14 (Thin)	36	205911	Bolt, M8 x 10
03	204291	Piston Ram	37	202481	Bolt, M8 x 14
04	204301	Spring	38	182261	Plate, Sleeve, Plastic
05	204311	O-ring, Oil Seal	39	204871	Log Pusher Assembly
06	204321	Piston	41	182111	Cover, Oil Cylinder, Front
07	204341	O-ring, Oil Seal	42	205041	Spring
08	204351	Square Piston Ring	43	205121	Screw, Fixing, M8 x 10
09	204361	Cylinder Body	44	202751	Base, Handle
10	182181	Dip Stick	45	205031	Bar, Handle, Short
11	182191	O-ring, Oil Seal	46	206121	Bar, Grip Handle, Long
12	202161	Ring, Seal, Anti-Dust, Teflon	47	204421	Washer, Flat, M4
13	202171	O-ring, Oil Seal	48	205081	Washer, Copper, M10
14	211611	Bleed Screw, w/Washer, M4 x 10	49	205091	Nut, M10
15	204371	Cover, Oil Cylinder, End	50	203741	Plate, Support
16	182161	Bolt, Two Head	51	205151	Washer, Flat, M10
17	182151	Bolt, Two Head, Long	52	205091	Nut, M10
18	203721	Foot, Rubber, Motor, Left	53	205131	Cover, Rear Axle
19	204651	Foot, Rubber, Motor, Right	54	202681	Circlip, Axle
20	202701	Motor and Pump Assembly	55	205141	Wheel, Rubber
21	204681	Nut, M8	56	192001	Frame, Stand, Wheel
22	204691	Screw, M8	60	192021	DR Label, round
23	204801	O-ring, Oil Seal	61	193521	Serial # Label
24	202491	Washer, Flat, M8	62	211581	Safety & Operation Manual
25	204771	Washer, Spring, M8	63	192041	Wrench, M10 -12
26	204791	Bolt, M8 x 30	64	192054	Wrench, M13 -16
27	203381	Screw, Cr-Head, M6 x 20	65	192061	Wrench, Hex, M6
28	204811	Washer, Flat, M6	66	205941	Seal, Front, Paper, Square
29	182201	Handle, Carry	68	182291	Cover, Motor Fan, End
30	203371	Nut, M6	69	182301	Flying Fan
31	204821	Bolt, M6 x 14	70	182131	Cable & Plug
32	202691	Leg, Support	71	205641	Clamp, Bushing, Wire
33	204831	Body, Main	72	205651	Nut, Clamp, Wire
34	204841	Plate, Log Guiding, Right	73	204491	Support, Capacitor

<b>Ref#</b>	<b>Part#</b>	<b>Description</b>
74	204501	Screw, Crosshead, M4 x 12
75	204541	Washer, Locking, M8
76	182211	Capacitor
77	204551	Seal, Rubber, Anti-Dust
78	182411	Cover, Capacitor Box
79	204571	Screw, Cross Head
80	204511	Connection Pole
81	204521	Screw, Cross Head, M4 x 8
82	204581	Clamp, Wire
83	211601	Switch
84	204401	Screw, Cross Head, M4 x 6
85	204411	Washer, Spring, M4
86	206861	Warning Label, Bleed Screw
87	206871	Warning Label, Safety
88	211621	Internal Check Valve Assembly

# Schematic - DR 5-TON ELECTRIC WOOD SPLITTER



**WDS 5.3**  
**051122**

**NOTES:**



# DR<sup>®</sup> 5 -TON ELECTRIC WOOD SPLITTER



## 2-Year Limited Warranty

### Terms and Conditions

The DR<sup>®</sup> 5 -TON ELECTRIC WOOD SPLITTER is warranted for two (2) years against defects in materials or workmanship when put to ordinary and normal consumer use; ninety (90) days for any other use.

For the purposes of all the above warranties, "ordinary and normal consumer use" refers to non-commercial residential use and does not include misuse, accidents or damage due to inadequate maintenance.

Country Home Products, Inc. (home of DR<sup>®</sup> Power Equipment) certifies that the DR<sup>®</sup> 5 -TON ELECTRIC WOOD SPLITTER is fit for ordinary purposes for which a product of this type is used. Country Home Products, Inc. however, limits the implied warranties of merchantability and fitness in duration to a period of two (2) years in consumer use, ninety (90) days for any other use.

The 2-Year Limited Warranty on the DR<sup>®</sup> 5 -TON ELECTRIC WOOD SPLITTER starts on the date the machine ships from our factory. The 2-Year Limited Warranty is applicable only to the original owner.

The warranty holder is responsible for the performance of the required maintenance as defined by the manufacturer's owner's manual. The warranty holder is responsible for replacement of normally wearing parts such as the wear plates. Attachments and accessories to the machine are not covered by this warranty.

During the warranty period, the warranty holder is responsible for the machine transportation charges, if required. During the warranty period, warranty parts will be shipped by standard method at no charge to the warranty holder. Expedited shipping of warranty parts is the responsibility of the warranty holder.

SOME STATES DO NOT ALLOW LIMITATIONS ON THE LENGTH OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Country Home Products, Inc. shall not be liable under any circumstances for any **incidental or consequential damages or expenses** of any kind, including, but not limited to, cost of equipment rentals, loss of profit, or cost of hiring services to perform tasks normally performed by the DR<sup>®</sup> 5 -TON ELECTRIC WOOD SPLITTER.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

### Customer Service Hotline

Country Home Products, Inc.'s objective is to have 100% satisfied customers. For that reason, we operate a 6-day-a-week Technical Service Department for our Owners. You can access a Representative by dialing our TOLL-FREE Hotline at **1-800-DR-OWNER (376-9637)**. The sole job of our well-trained and friendly folks is to ensure that you get any help you need in a timely fashion. They are there to answer all your questions including: (1) inquiries on any of the above warranties, (2) inquiries about replacement parts, or (3) your questions regarding service, maintenance and operation.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

## ***Daily Checklist for the DR 5 -TON ELECTRIC WOOD SPLITTER***

To help maintain your DR 5 -TON ELECTRIC WOOD SPLITTER for optimum performance, we recommend you follow this checklist each time you use your machine.

- [ ] **HARDWARE:** Check all nuts and bolts to be sure that the components are secure.
- [ ] **FRAME:** Check all welds to be sure that the frame is in tact and secure.
- [ ] **CLEAN:** Make sure that the log guides and the top of the wood splitter beam are clean.
- [ ] **HYDRAULIC FLUID:** Inspect the hydraulic fluid level and adjust as required; see page 20.
- [ ] **AIR BLEED SCREW:** Make sure to follow the proper procedures for adjusting the Air Bleed Screw prior to operating the wood splitter; see page 13.



COUNTRY HOME PRODUCTS, Inc.

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**MEIGS ROAD, P.O. BOX 25, VERGENNES, VERMONT 05491**

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