

DR[®] HORIZONTAL/VERTICAL 3-POINT HITCH LOG SPLITTER



SAFETY & OPERATING INSTRUCTIONS

Models: 22-Ton
34-Ton



Serial No. _____

Order No. _____

Original Language

DR Power Equipment
Toll-free phone: 1-800-DR-OWNER (376-9637)
Fax: 1-802-877-1213
Website: www.DRpower.com

WARNING

Read and understand this manual and all instructions before operating the DR HORIZONTAL/VERTICAL 3-POINT HITCH LOG SPLITTER.

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Conventions used in this manual



DANGER

This indicates a hazardous situation which, if not followed, will result in death or serious injury.



WARNING

This indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

This indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

This information is important for the proper use of your machine. Failure to follow these instructions could result in damage to your machine or property.

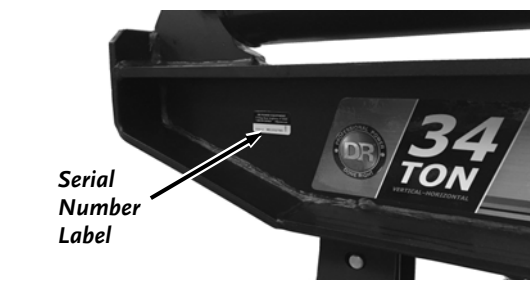


Figure 1

Serial Number and Order Number

A Serial Number is used to identify your machine and is located on the Serial Number Label on your machine (**Figure 1**). An Order Number is used to check and maintain your order history and is located on your packing slip. For your convenience and quick reference, enter the Serial Number and Order Number in the space provided on the front cover of this manual.

Additional Information and Potential Changes

DR Power Equipment 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 1: General Safety Rules

WARNING

Read this Safety & Operating Instructions manual before you use the DR HORIZONTAL/VERTICAL 3-POINT HITCH LOG SPLITTER. Become familiar with the operation and service recommendations to ensure the best performance from your machine. If you have any questions or need assistance, please contact us at www.DRpower.com or call toll-free 1-800-DR-OWNER (376-9637) and one of our Technical Support Representatives will be happy to help you.

Labels

Your DR HORIZONTAL/VERTICAL 3-POINT HITCH LOG SPLITTER carries prominent labels as reminders for its proper and safe use. Shown below are copies of all the Safety and Information labels that appear on the equipment. Take a moment to study them and make a note of their location on your Log Splitter as you set up and before you operate the unit. Replace damaged or missing safety and information labels immediately.



#38900



#25044

Protecting Yourself and Those Around You

DANGER

- This machine was built to be operated according to the safe operation practices in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. This machine is capable of amputating hands and feet and throwing debris. Failure to observe the following safety instructions could result in serious injury or death.
- Many accidents occur when more than one person operates the machine. No helper is allowed to assist with splitter controls or handling the logs.

WARNING

Operating this Log Splitter safely is necessary to prevent or minimize the risk of death or serious injury. Unsafe operation can create a number of hazards for you. Always take the following precautions when operating this Log Splitter:

- Always wear protective goggles or safety glasses with side shields while using the Log Splitter to protect your eyes from possible thrown debris.
- Avoid wearing loose clothing or jewelry, which can catch on moving parts.
- We recommend wearing gloves while using the Log Splitter. Be sure your gloves fit properly and do not have loose cuffs or drawstrings.
- Wear shoes with non-slip treads when using your Log Splitter. If you have safety shoes, we recommend wearing them. Do not use the machine while barefoot or wearing open toed sandals.
- Wear long pants while operating the Log Splitter.
- Use ear protectors or ear plugs rated for at least 20 dba to protect your hearing.

Safety for Children and Pets

WARNING

Tragic accidents can occur if the operator is not alert to the presence of children and pets. Children are often attracted to the machine and the splitting activity. *Never* assume that children will remain where you last saw them. Always follow these precautions:

- Keep children and pets at least 50 feet from the working area and ensure they are under the watchful care of a responsible adult.
- Be alert and turn the Tractor off if children or pets enter the work area.
- Never allow children to operate the Log Splitter.

Hydraulic Safety

WARNING

High fluid pressures are developed in hydraulic machines. Pressurized hydraulic fluid escaping through a pin hole opening can puncture skin and cause severe blood poisoning. Therefore, the following Instructions should be heeded at all times.

- Do not operate the unit with frayed, kinked, cracked or damaged hoses, fittings, or tubing. Stop the engine, wait 5 minutes and relieve hydraulic system pressure by cycling the valve control lever from forward to reverse several times and returning to neutral while engine is not running before changing or adjusting fittings, hoses, tubing, or other system components.
- Do not change any Log Splitter relief valve settings. They are set at the factory for best Splitter performance and safety.
- Do not check for leaks with your hand. Leaks can be located by passing cardboard or wood over the suspected area: Look for discoloration. If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.
- Always wear safety glasses to protect your eyes from hydraulic fluid.
- NEVER remove the cap from the hydraulic tank or reservoir while the log splitter is running. The tank could contain hot oil under pressure which could result in serious injury.

General Safety

WARNING

This is a high-powered machine, with moving parts operating with high energy. You must operate the machine safely. Unsafe operation can create a number of hazards for you, as well as anyone else in the nearby area. Always take the following precautions when using this machine:

- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people, their property, and themselves.
- Your Log Splitter is a powerful tool, not a plaything. Exercise extreme caution at all times. The machine is designed to split logs. Do not use it for any other purpose.
- Know how to stop the Log Splitter quickly; see “Stopping the Splitter” in chapter 3.
- Never operate your unit on a slippery, wet, muddy, or icy surface. Exercise caution to avoid slipping or falling.
- See manufacturer’s instructions for proper operation and installation of accessories. Only use accessories approved by DR Power Equipment.
- Never use the machine without ensuring that all guards and shields are in place.
- Never, under any conditions, remove, bend, cut, fit, weld, or otherwise alter standard parts on the Log Splitter. This includes all shields and guards. Modifications to your machine could cause personal injuries and property damage and will void your warranty.
- Allow only one person to operate the Log Splitter at any time. The adult who loads and stabilizes the log must be the person who operates the control handle.
- If the machine should start making an unusual noise or vibration, shut down the Tractor engine, wait 5 minutes for machine to cool down, then inspect for damage. Vibration is generally a warning of trouble. Check for damaged parts to clean, repair and/or replace as necessary.
- Never tamper with safety devices. Check their proper operation regularly.
- Before performing any maintenance or inspection procedure on the Log Splitter shut down the Tractor engine, wait 5 minutes for machine to cool down.
- Never allow people who are unfamiliar with these instructions to use the Log Splitter. Allow only responsible individuals who are familiar with these rules of safe operation to use your machine.
- Never overload or attempt to split logs beyond the recommendations listed in this manual. Personal injury or damage to the machine could result.
- While using the Log Splitter, don’t hurry or take things for granted. When in doubt about the equipment or your surroundings, stop the machine and take the time to look things over.
- Never operate the machine while under the influence of alcohol, drugs, or medication.
- Use the machine only in daylight.
- Stay alert for hidden hazards or traffic.
- Keep all nuts and bolts tight and keep the equipment in good operating condition.
- Never leave this machine unattended with the engine running.

California Proposition 65

WARNING

California Proposition 65:

- This product contains or emits chemicals known to the state of California to cause cancer, birth defects, and other reproductive harm.

A Note to All Users

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 DR® 3 PT Hitch Horizontal/Vertical log splitter in a safe manner. Contact us at www.DRpower.com or call 1-800-DR-OWNER (376-9637) for assistance.

Chapter 2: Setting Up The DR HORIZONTAL/VERTICAL 3-POINT HITCH LOG SPLITTER

It may be helpful to familiarize yourself with the controls and features of your DR HORIZONTAL/VERTICAL 3-POINT HITCH LOG SPLITTER as shown in Figure 1 before beginning these procedures. If you have any questions at all, please feel free to contact us at www.DRpower.com.

DR HORIZONTAL/VERTICAL 3-POINT HITCH LOG SPLITTER Controls and Features

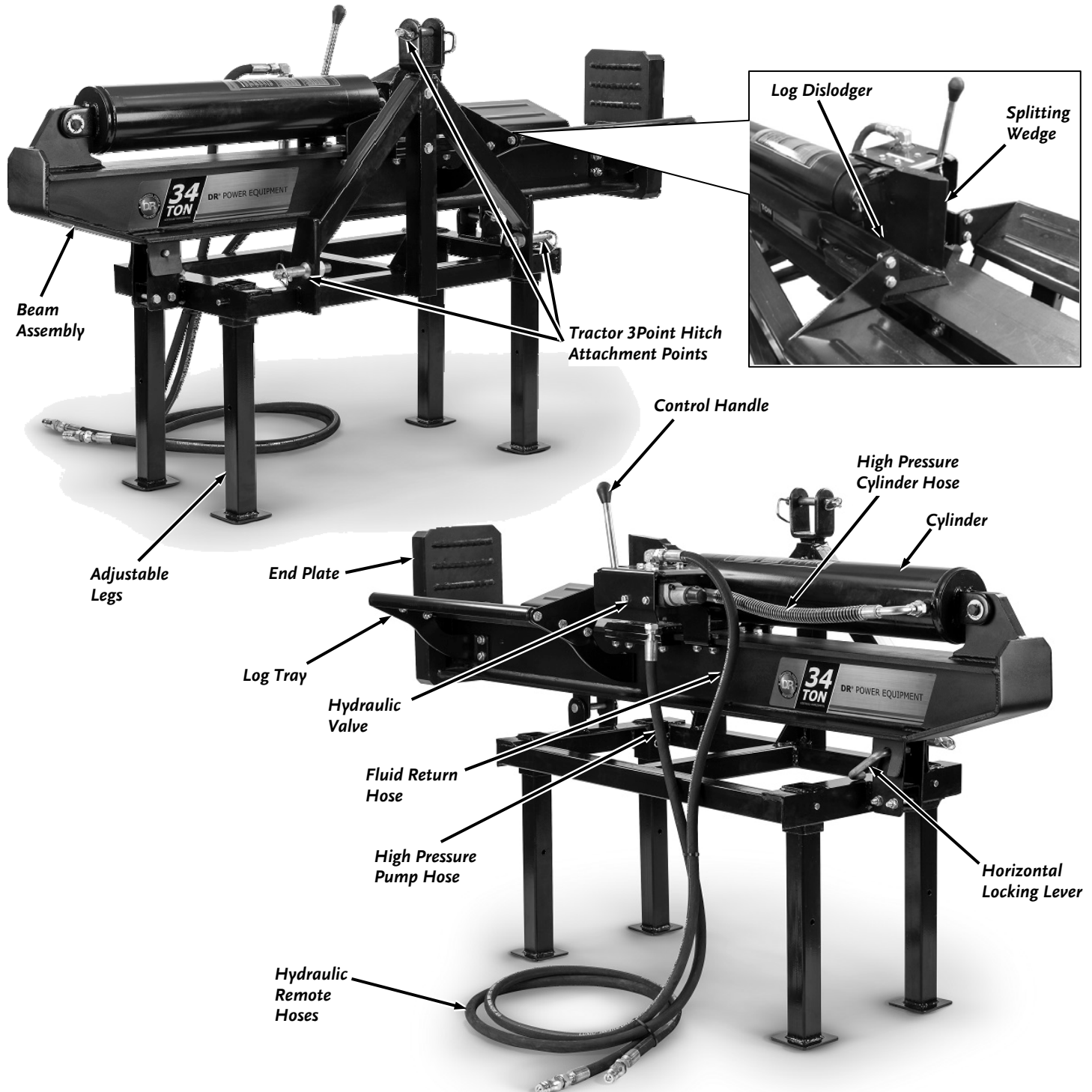


Figure 2

Specifications

Model	22 Ton	34 Ton
Cylinder (Bore x Stroke)	4 in. x 24 in.	5 in. x 24 in.
Quick Connect Thread size	13/16-16 UNC	13/16-16 UNC
Maximum Splitting Force	22 Tons*	34 Tons*
Hydraulic Pressure	2500 recommended, 3400 psi* max	2500 recommended, 3400 psi* max
Maximum Log Length	25 in.	25 in.
Maximum Log Diameter	25 in.**	25 in.**
Wedge Height	8 in.	8 in.
Cycle Time	Tractor Dependent*	Tractor Dependent*
Height (Horizontal / Vertical Position)	43 / 72 in.	43 / 72 in.
Length (Horizontal / Vertical Position)	72 / 60 in.	72 / 60 in.
Width	23 in.	23 in.
Stored Length/Height	72"/33.5"	72"/33.5"
Net Weight	440 lbs	488 lbs

*Tonnage and cycle times may vary dependent upon mechanical and environmental conditions.

**The diameter of the log is indicative - a small log can be difficult to split when it contains knots or a particularly tough fiber. On the other hand, it may not be difficult to split logs with regular fibers even if its diameter exceeds the maximum indicated above.

Assembling the DR HORIZONTAL/VERTICAL 3-POINT HITCH LOG SPLITTER

Tools and Supplies Needed:

- 18mm Wrench
- 19mm Socket
- Ratchet
- Two 13/16-16 quick Connect Fittings*

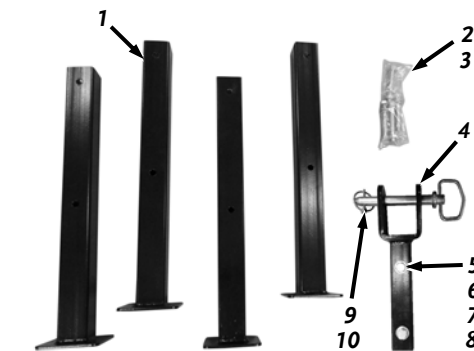


Figure 3

Parts Supplied on Pallet with Beam Assembly (Figure 3):

Item #	Part #	Description	Qty
1	38880	Leg	4
2	38892	Pin, Clevis, 10mm X 70mm	4
3	15192	Pin, Hitch Clip 5/16" - 3/8"	4
4	38882	Yoke, Top Link, 3pt	1
5	38879	Bolt, HCS, M12 - 1.75 X 60mm, ZP	2
6	38878	Washer, Lock, M12	2
7	30252	Washer, M12	4
8	30253	Nut, Nylon Lock, M12-1.75	2
9	32396	Pin, Linch, 7/16 X 1.5in, YZP	1
10	24555	Pin, Hitch, 3/4 X 4-3/4	1

Compare the contents of the Parts Box with the "Parts Supplied" list above. If you have any questions please contact us at www.DRpower.com or call 1-800-DR-OWNER (376-9637) for assistance.

Assembly and 3-Point Hitch Hookup

Note: The control handle is shipped hanging from the valve on the handle link.

1. Remove the Pin and Hitch Clip from the Control Valve (**Figure 4**).
2. Rotate the Control Handle up into the operating position and secure with the Pin and Hitch Clip.
3. Install the Top Link Yoke into the Frame and secure with The Bolts, Lock Washers, Flat Washers and Nuts using a 18mm Wrench on the Bolt and a 19mm Socket on the Nut (**Figure 5**).
4. Remove the Linch Pin and Large Pin from the Top Link Yoke.
5. Remove the Linch Pins from the lower Pins.
6. Position the back of the tractor to the 3-Point Hitch side of the Frame (**Figure 6**).
7. Slide the two Lower Lift Arms onto the Frame Pins and secure with the Linch Pins.
8. Align the Top Link into the Log Splitter Yoke by adjusting the Link in our out as needed. Secure with the Clevis pin and Hitch Pin.
9. Lift the Log Splitter off the Pallet using the Tractor 3-Point Hitch.
10. Install the Legs into the Frame and secure with a Clevis Pins and Hitch Clips (**Figure 7**).

Note: Use the upper holes in the legs if you are setting the Log Splitter back down for splitting. Use the lower holes if you will be transporting the Log Splitter to another location.

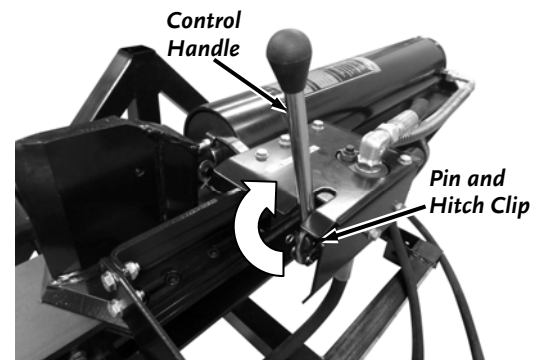


Figure 4

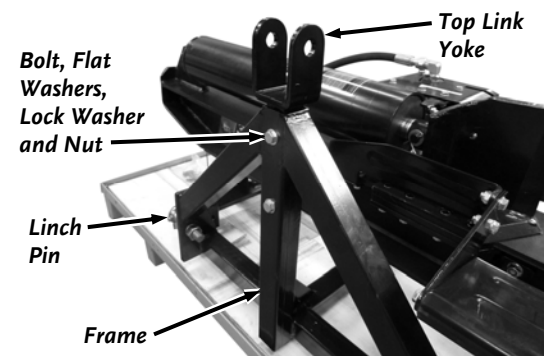


Figure 5

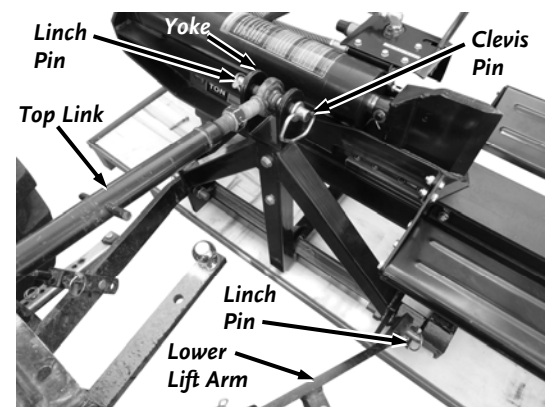


Figure 6

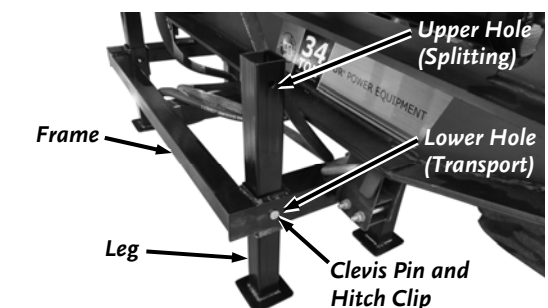


Figure 7

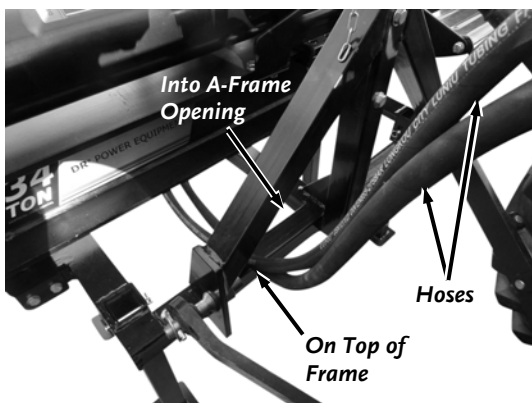


Figure 8

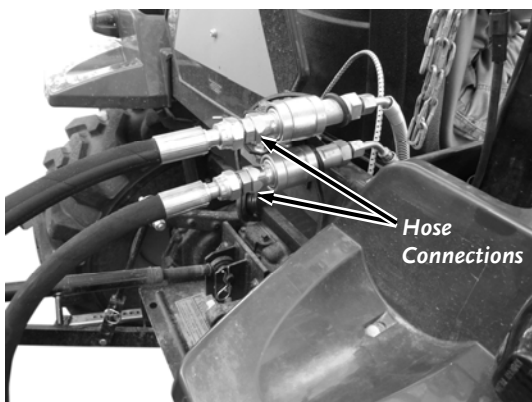


Figure 9

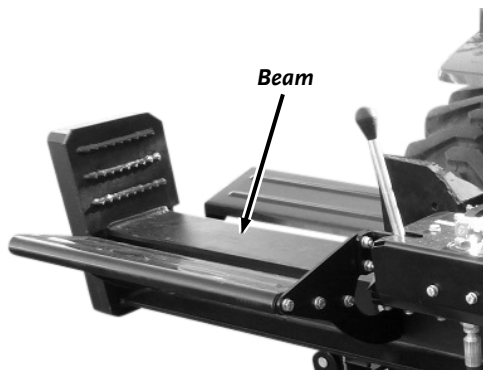


Figure 10

Attaching the Hydraulic Hoses to the Tractor

There are many different types and sizes of Tractor Hydraulic Connectors. For this reason the Splitter Hoses do not come with Connectors on the ends. This allows you to purchase the correct type/size for your application. Contact your Tractor supplier to ensure you get the correct mating Connectors for your Tractor. The Splitter Hose threads are 13/16-16 Female.

WARNING

- Before performing the following procedure, be sure your Tractor engine is off, brake is set, and the key removed for safety.
- Refer to your tractor manual or Tractor supplier before removing connectors or performing any procedures involving Tractor specific alterations to prevent damage to equipment or personal injury.

1. Insert the Hydraulic Hoses between the Frame and the Beam and then through the A-Frame opening of the-Frame (**Figure 8**).
2. Attach the High Pressure Hose Connector to the pressure Port coming from the Tractor pump (**Figure 9**). Attach the Return Hose Connector to the return Port going to the Tractor Hydraulic Tank.

Note: If the Hoses are attached to the wrong Connectors the direction that the Operator Lever is pushed will be opposite the direction the Wedge moves. Simply swap the Hoses to ensure the Wedge travels in the same direction that the Operator Lever is pushed.

Lubricating the Beam

Supplies Needed:

- Corrosion Inhibiting Lubricant
1. Lubricate the Beam area (where the splitting wedge will slide) with Corrosion Inhibiting Lubricant (**Figure 10**). Do not use Grease.

Chapter 3: Operating The DR HORIZONTAL/VERTICAL 3-POINT HITCH LOG SPLITTER

It may be helpful to better familiarize yourself with the features of your Log Splitter by reviewing **Figure 2** in Chapter 2 before beginning the steps outlined in this chapter.

WARNING

- Read and understand all instructions, safety precautions, and/or warnings listed in “Chapter 1 General Safety Rules” before operating this DR HORIZONTAL/VERTICAL LOG SPLITTER. If any doubt or question arises about the correct or safe method of performing anything found in this manual, please contact our Customer Service Representatives at our toll free number: 1-800-DR-OWNER (376-9637).
- When operating the Log Splitter, make sure you are standing in the safe operating area (OPERATOR ZONE) as shown in **Figure 11**. You must stay in the safe operating area at all times when the wedge is in motion (whether extending or retracting). Never place any part of your body into a position that causes an unsafe operating condition.
- Make Sure the Tractor is in Neutral and the Parking Brake is on before using the Log Splitter

Ensure the Tractor Three Point Hitch is fully lowered and the Splitter Legs are resting firmly on the ground.

Starting the Splitter

Start the flow of Hydraulic Fluid from the Tractor Pump to the Log Splitter as described in your Tractor Operator manual.

We recommend a pump pressure of 2500 psi for Log Splitter operation. Do not exceed 3400 psi or damage could result and is not covered under warranty.

Stopping the Splitter

Stop the flow of Hydraulic Fluid from the Tractor to the Log Splitter as described in your Tractor Operator manual.

Handling Wood

Note: All logs should be no longer than 25". Use the following photos for the correct and incorrect methods of splitting logs. Never split a log using an incorrect or unsafe method.

Note: The Following Warnings and Instructions apply when Splitting Wood in both the Horizontal and Vertical Positions.

WARNING

- Do not place your hands on the ends of the log when loading the Log Splitter. This is a very UNSAFE method and could result in injury to your hands (**Figure 12**).
- Do not reach or step across the beam while the Log Splitter is running. This is a very UNSAFE method which could cause personal injury or even death.

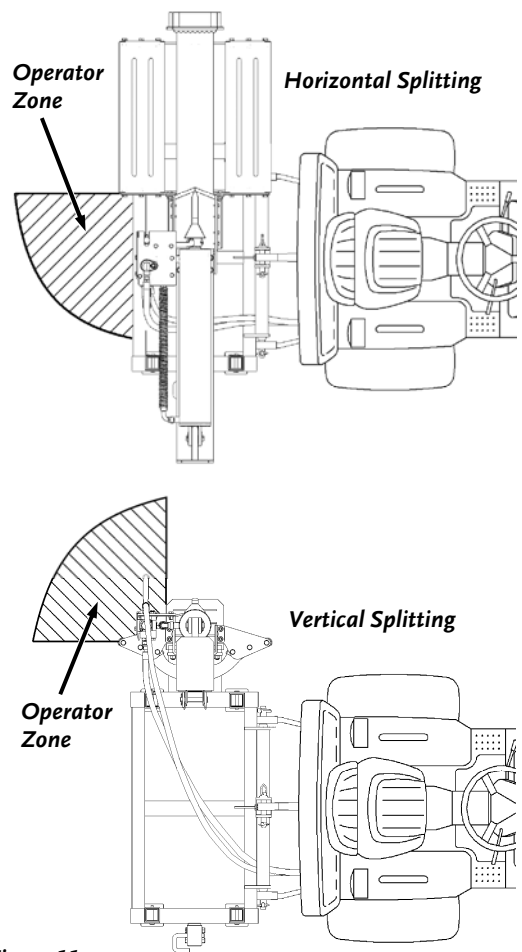


Figure 11



Figure 12

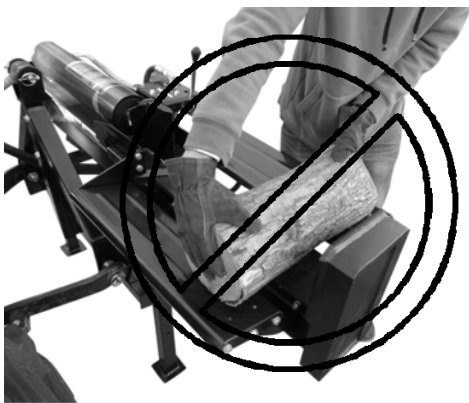


Figure 13



Figure 14



Figure 15

⚠ CAUTION

- Never attempt to split wood across the grain. The Log Splitter was not designed for cross-grain splitting. Doing so could damage the Log Splitter and may cause personal injury (**Figure 13**).
- Make sure both ends of the log you are splitting are cut as square as possible. This will prevent the log from sliding out of position while under pressure (**Figure 14**).

⚠ WARNING

- When loading a log, always place your hands on the side of the log, not on the ends, and never use your foot to help stabilize a log (**Figure 15**). Failure to do so, may result in crushed or amputated fingers, toes, hand, or foot.
- When stabilizing log with left hand, remove your hand when the wedge just contacts the log or serious injury may occur.
- NEVER place hands or feet between the log and splitting wedge during forward or reverse stroke as this could result in serious injury or death. NEVER attempt to load the log splitter when the ram or wedge is in motion.
- Always keep fingers away from any cracks that open in the log while splitting. They can quickly close and pinch or amputate your fingers.
- Never attempt to remove partially split wood from the wedge with your hands. Fully retract the wedge to dislodge wood with log dislodger.

Splitting Wood

The control handle has three positions:

FORWARD — Move the control handle forward to the FORWARD position to move wedge toward the log to split (**Figure 16**).

Note: The control handle will return to the NEUTRAL position as soon as the handle is released (from the FORWARD position only).

NEUTRAL — Release the control handle or move the lever to the NEUTRAL position to stop the wedge movement (**Figure 17**).

REVERSE — Move the control handle back to the REVERSE position to return the wedge toward the cylinder (**Figure 18**). The control handle returns to the NEUTRAL position automatically when fully retracted.

Do not hold the handle in the REVERSE position when fully retracted.

WARNING

- If the control handle on your log splitter is not functioning properly, STOP USE IMMEDIATELY and contact an authorized service dealer.
- Do not attempt to service, repair or replace control valve. Contact an authorized service dealer.
- Do not attempt to adjust or modify the control valve or the hydraulic system from its original settings or manufacturer in any way.

Note: To stop the wedge before it is fully retracted when in the REVERSE position, the handle must MANUALLY be put in the NEUTRAL position.

1. Start the engine as instructed in the “Starting the Engine” section in this chapter.
2. Place the log on the Log Splitter. Grasp the log on the sides near the middle of the log (**Figure 19**). Center the log, side-to-side, on the beam, making sure that one end is against the end plate.
3. Using only your hand, push the Control Lever Forward. If the log moves before it is contacted by the Wedge, release the Handle and reposition the log.
4. Hold the Control Lever, moving the Wedge towards the Log until the log is split or the cylinder rod stops at its maximum travel position. Stop the Log Splitter (forward movement), at any point in the splitting process, if you feel an unsafe splitting condition is occurring. As the log is being split, DO NOT reach forward and attempt to catch the split wood — let it fall.
5. Once the Wedge reaches its full forward travel, move the Control Lever to the Reverse Position and the Wedge will return to the retracted position.

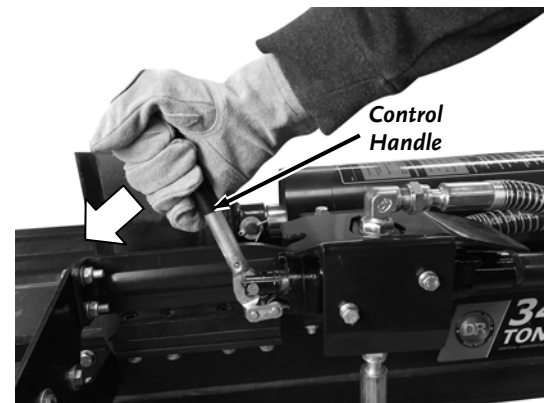


Figure 16

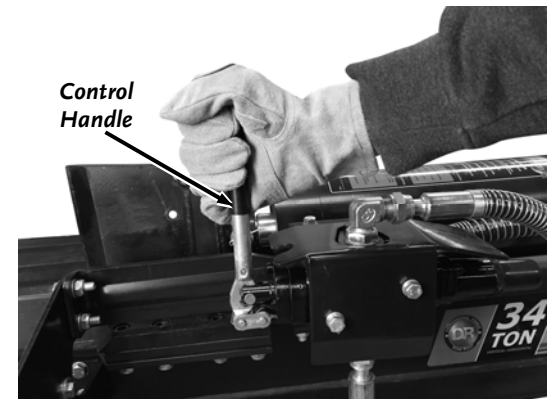


Figure 17

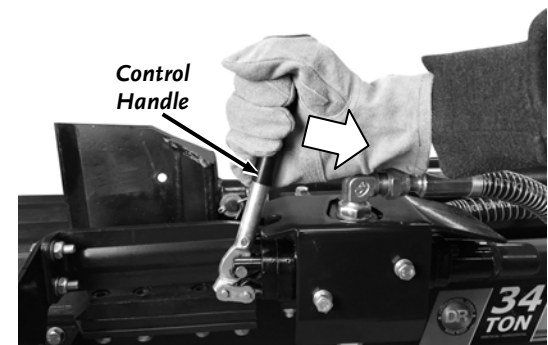


Figure 18

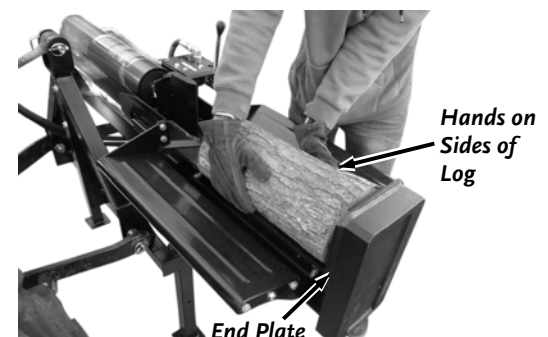


Figure 19

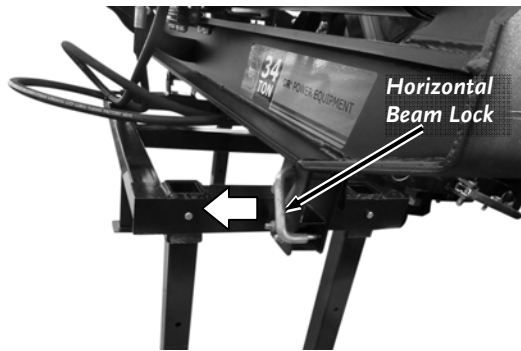


Figure 20

Beam Operating Positions

WARNING

- Take extra care when raising and lowering the beam as it is heavy. Having a second person assist with raising or lowering the beam is recommended.
- Be sure to keep hands away from any possible pinch points.
- Always use the log splitter in the vertical position when splitting heavy logs.

Placing the Beam in the Vertical Position

1. Pull out on the Horizontal Beam Lock (**Figure 20**) and lift up on the Beam to rotate it to the vertical position (**Figure 21**).

Vertical
Position



Figure 21

Placing the Beam in the Horizontal Position

1. Pivot the Beam to the horizontal position (**Figure 22**).
2. The horizontal beam lock is self-locking. The spring loaded lock will snap into place when the beam is lowered into position.

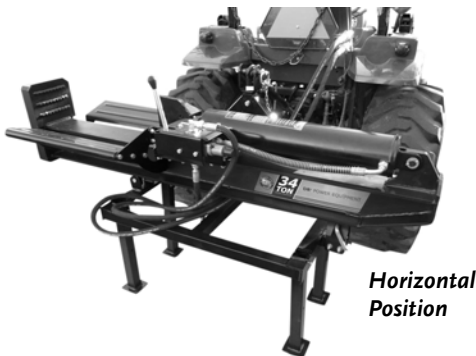


Figure 22

Chapter 4: Maintaining The DR HORIZONTAL/VERTICAL 3-POINT HITCH LOG SPLITTER

Regular maintenance is the way to ensure the best performance and long life of your machine. Please refer to this manual and the Tractor manufacturer's owner's manual for maintenance procedures.

WARNING

Before performing any maintenance procedure or inspection, stop the Tractor, set the Brake and remove the Key, wait five minutes to allow all parts to cool.

Regular Maintenance Checklist

PROCEDURE	BEFORE EACH USE	EVERY 25 HOURS	EVERY 100 HOURS
Check General Equipment Condition	▲		
Check Wedge for Sharpness	▲		

General Maintenance Check (before operating)

The Hydraulic System (hoses and cylinder) should be carefully inspected before each use. Also, inspect the mechanical parts at the same time. Make sure all clamps, nuts, bolts, fittings, etc., are properly installed and tightened.

WARNING

Do not check for leaks with your hand. Leaks can be located by passing a piece of cardboard or wood around the suspected leak and looking for discoloration. High-pressure fluid escaping from a very small hole can be almost invisible. Escaping fluid under pressure can have sufficient force to penetrate skin, causing serious injury or even death. If fluid is injected into your skin, it must be treated immediately by a doctor familiar with this type of injury.

Always replace frayed, kinked, or cracked hoses and/or other damaged hydraulic components with DR Power Equipments authorized parts and components specified in the "Parts" section (Chapter 6) of this manual. Replacement parts from secondary suppliers (not original DR Power Equipments replacement parts) can lead to product damage and/or personal injury, and will void the warranty.

Should it become necessary to loosen or remove any hydraulic fitting or line, be sure to relieve all hydraulic pressure by shutting off the Tractor and moving the valve control handle back and forth several times until no cylinder movement is visible.

Chapter 5: Troubleshooting

Most problems are easy to fix. Consult the Troubleshooting Table below for common problems and their solutions. If you continue to experience problems, contact us at www.DRpower.com or call toll-free 1-800-DR-OWNER (376-9637) for support.

WARNING

Before performing any maintenance procedure or inspection, stop the Tractor, set the Brake and remove the Key, wait five minutes to allow all parts to cool.

Troubleshooting Table

SYMPTOM	POSSIBLE CAUSE
<i>When the Valve Control Handle is pushed, the Wedge does not move.</i>	⇒ Check the Tractor to make sure the hydraulic fluid level is correct. If the fluid level is not correct, fill with hydraulic fluid as described in your Tractor manual. ⇒ Check the Tractor Hoses to make sure the hydraulic fluid is flowing. Hoses should be vibrating when fluid is flowing. ⇒ If the fluid level is OK then contact us at www.DRpower.com for assistance.
<i>The Splitter lacks power</i>	⇒ Tractor throttle is set too low; Adjust Tractor throttle. ⇒ Tractor pressure low; Check the pressure output of the Tractor. ⇒ If your Splitter still lacks power, contact us at www.DRpower.com for assistance.
<i>The splitting Wedge moves slowly, but will split wood.</i>	⇒ Check the hydraulic fluid level in the Tractors Hydraulic Tank and fill as necessary. ⇒ Check the high-pressure hose, fittings, and valve openings for dirt and debris that may have obstructed the openings.
<i>The splitting Wedge moves in the opposite direction than Operator Lever is pushed.</i>	⇒ Hoses from Splitter to Tractor are connected to the wrong ports; Swap Hose connections.

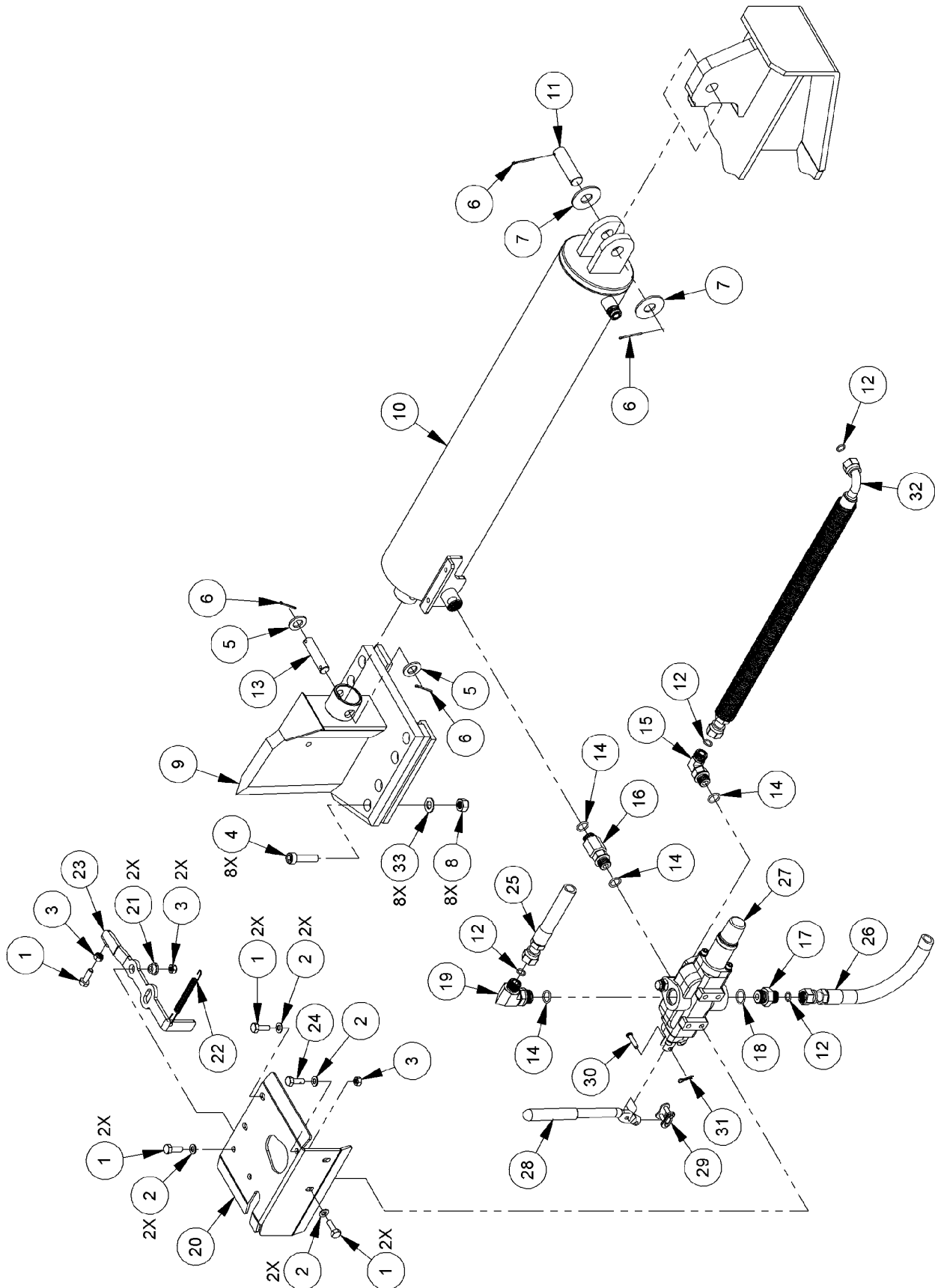
Chapter 6: Parts Lists and Schematic Diagrams

Parts List – CYLINDER AND VALVE ASSEMBLY

Note: Part numbers listed are available through DR Power Equipment.

Ref#	Part#	Description	Ref#	Part#	Description
1	33701	Bolt, Hcs, M8-1.25 X 20, Cl 8.8, Zp	19	36390	Fitting, Hyd, 90 Deg Elbow, 1/2" Hose
2	30247	Washer, M8	20	38489	Bracket, Mount, Valve
3	30246	Nut, Nylon Lock, M8-1.25	21	38491	Bushing, 8mm Id
4	33700	Bolt, Hcs, M16-2 X 69, Cl 8.8, Zp	22	38488	Spring, Return, Handle
5	38875	Washer, Flat, M16	23	38487	Lever, Return, Handle
6	33754	Pin, Cotter, 4 X 35mm	24	38490	Bolt, Hcs, W/ Hole, M8-1.25 X 20, Cl 8.8, Zp
7	33697	Washer, M20	25	38819	Hose, Hyd, .5" Id X 149" L
8	30253	Nut, Nylon Lock, M12-1.75	26	38820	Hose, Hyd, .5" Id X 69" L
9	33756	Wedge	27	33742	Valve, Hyd, W/Control Handle
10	33682	Cylinder, Hydraulic (22 Ton)	28	38486	Handle, Actuation, Wh1
	33684	Cylinder, Hydraulic (34 Ton)	29	36249	Link, Connecting, #60 Roller Chain
11	33747	Pin, Cylinder Mount	30	36113	Pin, Clevis
12	35476	O-Ring, 11 X 2.0mm, Wh1	31	36114	Clip, Hitch
13	38876	Pin, 16mm X 69mm	32	33715	Hose Assembly, Hydraulic, Valve cylinder
14	35477	O-Ring, 16mm X 2.5mm, Wh1	33	30252	Washer, M12
15	33691	Hyd Adapter	Items Not shown		
16	33750	Hyd, Adapter			
17	33695	Hyd, Adapter			
18	35478	O-Ring, 19 X 2.5mm, Wh1	38900		Label, Operation, Caution

Schematic – CYLINDER AND VALVE ASSEMBLY

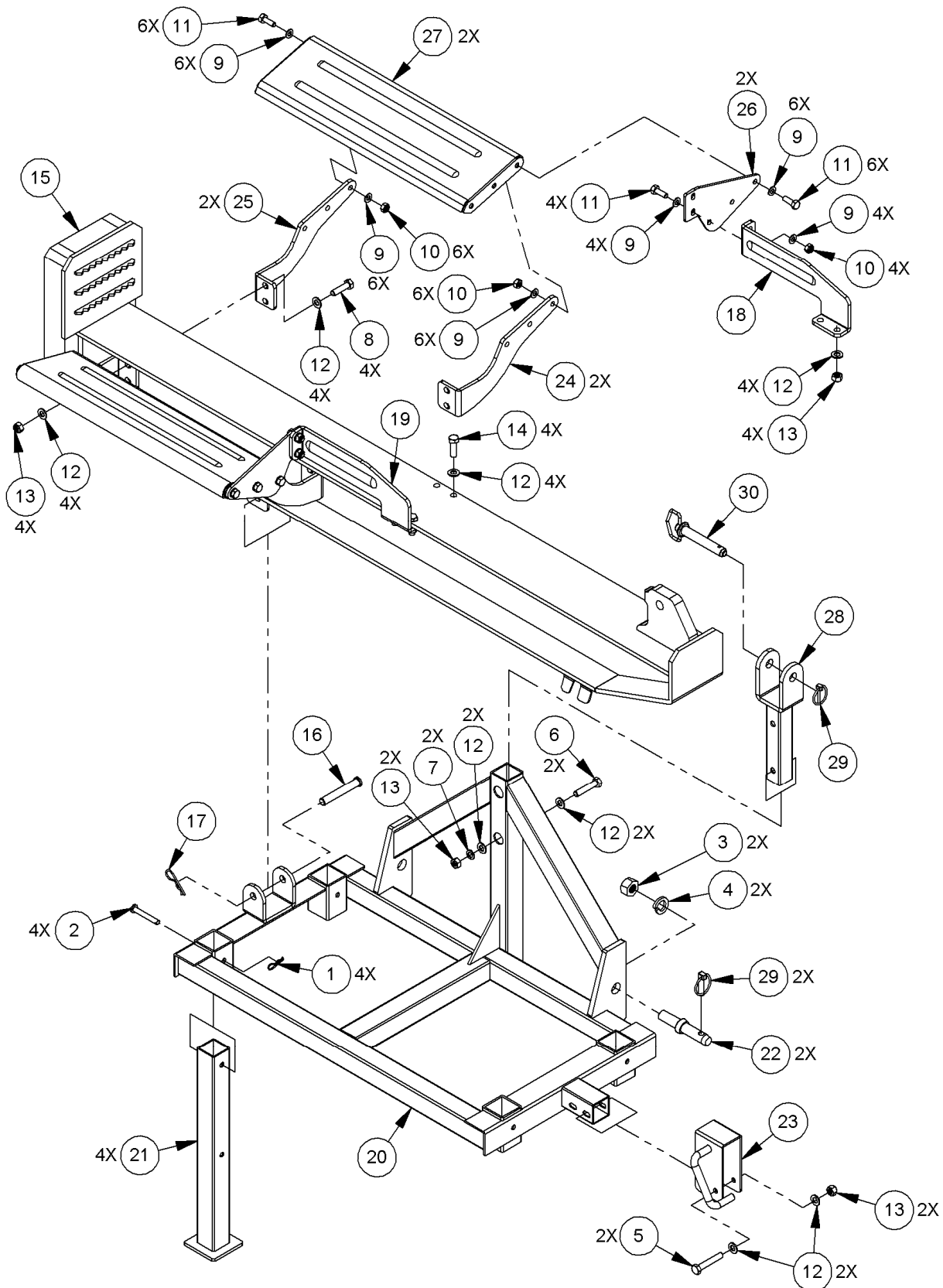


Parts List – Frame and Beam Assembly

Note: Part numbers listed are available through DR Power Equipment.

Ref#	Part#	Description	Ref#	Part#	Description
1	15192	Pin, Hitch Clip 5/16" - 3/8"	17	38822	Clip, Hitch, 3mm X 13mm
2	38892	Pin, Clevis, 10mm X 70mm	18	33687	Bracket, Retraction Stop, Rh
3	32380	Nut, Hex, 7/8-9, Yzp	19	33686	Bracket, Retraction Stop, Lh
4	32379	Washer, Lock, 7/8, Yzp	20	38877	Frame
5	38881	Bolt, Hcs, M12 - 1.75 X 70mm, Zp	21	38880	Leg
6	38879	Bolt, Hcs, M12 - 1.75 X 60mm, Zp	22	32378	Pin, Pto Class 1 Draw
7	38878	Washer, Lock, M12	23	33712	Bracket, Horizontal Beam Lock
8	33707	Bolt, Hcs, M12-1.75 X 45, Cl 8.8, Zp	24	33721	Support 1, Tray, Log
9	30250	Washer, M10	25	33722	Support 2, Tray, Log
10	30249	Nut, Nylon Lock, M10-1.5	26	33723	Endplate, Tray, Log
11	33708	Bolt, Hcs, M10-1.5 X 30, Cl 8.8, Zp	27	37171	Tray, Log
12	30252	Washer, M12	28	38882	Yoke, Top Link, 3pt
13	30253	Nut, Nylon Lock, M12-1.75	29	32396	Pin, Linch, 7/16 X 1.5in, Yzp
14	35599	Bolt, Hcs, M12-1.75 X 35, Cl 8.8, Zp	30	24555	Pin, Hitch, 3/4 X 4-3/4
15	33727	Frame, Main (22 Ton)	Items Not shown		
	33729	Frame, Main (34 Ton)		33365	Label, Branding, 22 Ton
16	38821	Pin, Clevis, 16mm X 97mm		33367	Label, Branding, 34 Ton

Schematic – Frame and Beam Assembly



Notes:

DR® 3 POINT HITCH HORIZONTAL/VERTICAL LOG SPLITTER



2-Year Limited Warranty

Terms and Conditions

The DR® 3-POINT HITCH HORIZONTAL/VERTICAL LOG 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. The Engine manufacturer warrants the Engine separately. The Battery is warranted for one (1) year.

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.

DR® Power Equipment certifies that the DR® 3-POINT HITCH HORIZONTAL/VERTICAL LOG SPLITTER is fit for ordinary purposes for which a product of this type is used. DR® Power Equipment 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® 3-POINT HITCH HORIZONTAL/VERTICAL LOG 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 manuals. This warranty does not cover attachments and accessories to the machine.

During the warranty period, the warranty holder is responsible for the machine transportation charges, if required. During the warranty period, warranty parts will ship 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.

DR® Power Equipment 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® 3-POINT HITCH HORIZONTAL/VERTICAL LOG SPLITTER.

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

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

Daily Checklist for the DR 3 PT HITCH LOG SPLITTER

To help maintain your DR 3 PT HITCH LOG SPLITTER for optimum performance, we recommend you follow this checklist each time you use your Log Splitter.

WARNING

Before performing any maintenance procedure or inspection, stop the tractor and remove the key, wait five minutes to allow all parts to cool.

- [] Check the general condition of the Log Splitter, e.g.; nuts, bolts, welds, etc.
- [] Check hydraulic fluid level in your Tractor and fill as needed.
- [] Check hydraulic Hoses for cracks or wear.
- [] Check the Frame for wear and damage.
- [] Check the Wedge for tightness, nicks and wear.

End of Season and Storage

WARNING

Before performing any maintenance procedure or inspection, stop the tractor and remove the key, wait five minutes to allow all parts to cool.

- Check the Wedge for nicks and wear. Sharpen if needed.
- Clean the exterior of the unit to remove all dirt, grease, and any other foreign material. To prevent rust, touch up painted surfaces that have been scratched or chipped.
- Be sure all nuts, bolts, and screws are securely fastened.
- If possible, store the Log Splitter in a dry, protected place. If it is necessary to store the Log Splitter outside, cover it with a protective material.



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