

RAPID ROLLER



OPERATOR'S MANUAL

OWNER'S NAME _____

MODEL _____

SERIAL NUMBER _____

DATE OF PURCHASE _____



L&C Enterprises-USA
Fencing Products to Get the Job Done Fast

LIMITED WARRANTY

L&C Enterprises-USA, Inc. warrants each new Rapid Roller unit for a period of one year to the original purchaser. This warranty covers workmanship and/or material used in the manufacture of the Rapid Roller. The cost of parts (for one year) and labor (for one year) at an approved service center or the manufacturer's center will be covered. The one year period begins on date of delivery to purchaser.

At the option of the manufacturer any defective parts will be replaced, repaired, or exchanged with reworked parts upon examination at the factory to determine if the defect has occurred under normal use and service. The transportation charges on damages and losses incurred in connection with transportation of parts for inspection, for replacement, or repair under this warranty shall be the responsibility of the purchaser.

L&C Enterprises-USA, Inc. shall in no event assume any liability for damages and/or expenses due to improper operation of the Rapid Roller unit.

This warranty does not cover any loss in time or production or any expense caused by the unit's failure to function because of defective parts or workmanship.

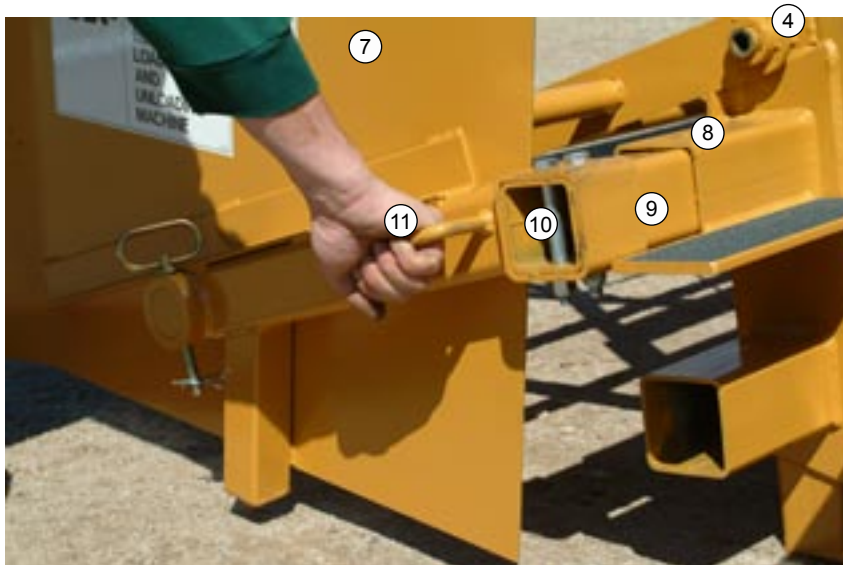
No warranty is given to the amount of production that can be obtained from the Rapid Roller unit or the design of the unit to do a given job.

L&C Enterprises-USA, Inc. reserves the right to make changes to all design specifications and components on future units without notice and without obligation to make changes to units previously sold.

This warranty is void if any modifications are made to the unit that will affect its operation, its capacity, and/or mounting specifications.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES EXPRESSED OR IMPLIED.

COMPONENT TERMINOLOGY



- 1. Safety Guard
- 2. Hydraulic Hoses
- 3. Safety Handle
- 4. Grease Fitting
- 5. Linkage Adjustment

- 6. Motor
- 7. Side Assembly
- 8. Transportation Pin
- 9. Adjusting Tube
- 10. Side Assembly Bolts

- 11. Side Assembly Handle
- 12. Safety Guide
- 13. Core Drive Shaft
- 14. Core

GENERAL SAFETY

⚠ WARNING Do not operate machine without reading and understanding Operator's Manual.



SAFETY ALERT SYMBOL

Read all safety messages.

Follow safety messages to avoid personal injury and/or property damage.



OPERATOR PREPARATION

The operator must be fully trained, qualified, and authorized to operate this machine.

Before operating this machine, the operator must know the location and purpose of the following:

- Controls
- Indicator Lights
- Instruments
- Safety and instruction decals (see Safety Decals in this manual Page 7)



PROTECTIVE CLOTHING

Wear OSHA-approved protective clothing when working on or near this machine, such as the following:

- Ear protection
- Gloves
- Goggles/Safety Glasses
- Hard hat
- Long Sleeve Shirt
- Steel-toed boots

Wear snug protective clothing that is belted where Required.

Remove jewelry before working on or near this machine.



FIRE PREVENTION/FIRST AID

Install a first-aid kit in the operator's cab.

Properly maintain first-aid kit and fire extinguisher. Follow instructions provided with them.



UNAUTHORIZED WELDING

⚠ WARNING UNAUTHORIZED WELDING CAN CAUSE STRUCTURAL FAILURE AND/OR SEVERE PERSONAL INJURY OR DEATH.

DO NOT weld on any structural member. Any unauthorized welding or repair will void the warranty.

Welding should not be performed on this unit when material temperature is below 50F.



FLUIDS UNDER PRESSURE

⚠ WARNING FLUIDS ESCAPING UNDER PRESSURE CAN PENETRATE SKIN AND CAUSE SEVERE PERSONAL INJURY OR DEATH.

DO NOT use your hands to search for leaks. Escaping fluids can penetrate skin and enter your bloodstream. Before disconnecting lines, relieve all pressure.

DO NOT apply pressure to a damaged line, hose, or fitting.

If ANY fluid is injected into your skin, seek medical attention immediately. A serious infection or reaction can result without proper medical treatment.



PRESSURE SETTINGS

⚠ WARNING EXCESSIVE HYDRAULIC PRESSURE CAN CAUSE COMPONENT OR STRUCTURAL FAILURE, WHICH MAY RESULT IN SEVERE PERSONAL INJURY OR DEATH.

DO NOT exceed factory adjusted pressure settings.



⚠ WARNING A ROLLOVER OR SUDDEN STOP CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

Always wear seat belt, fastened snugly, when operating the machine to reduce the risk of personal injury resulting from a rollover or sudden stop.



NO RIDERS ON MACHINE

⚠ WARNING MACHINE RIDERS CAN FALL FROM MACHINE OR BE INJURED BY MOVEMENT OF MACHINERY, CAUSING SEVERE PERSONAL INJURY OR DEATH.

DO NOT allow riders on machine that is operating or moving.



ELECTRIC LINES

⚠ DANGER SERIOUS INJURY OR DEATH WILL RESULT FROM CONTACT WITH ELECTRIC LINES.

Never move any part of the machine or load closer to electric lines than 10 feet plus twice the line insulator length. A line insulator is what connects an electric line to an electric pole.

For example, if a line insulator is six in. long, you must stay at least 10 ft. plus twice the line insulator length ($2 \times 6 = 12$ in. or 1 ft.) from the electric line, which means you must stay at least 11 feet from this electric line.

If the machine touches an electric line, stay in the machine. Carefully move machine or load away from the electric line, without pulling the line down.

DO NOT let anyone else touch the machine while it is touching the electric line. If you can not move the machine away from the electric line without pulling the line down, have someone contact the utility company to disconnect power from the line. If this is not possible, or if the machine begins to burn, jump away from the machine to the ground with both feet together, in one smooth jump. DO NOT touch the machine and the ground at the same time or else the electricity in the line will go through your body. Get away from the machine after you jump.

Notify the utility company immediately. DO NOT let anyone near the machine while it is touching the electric line.



HOSES AND FITTINGS

⚠ WARNING MISMATCHED BRANDS OR TYPES OF HOSES AND FITTINGS CAN BLOW APART AND CAUSE SEVERE PERSONAL INJURY OR DEATH.

DO NOT interchange brands or type of hoses and fittings.

DO NOT install a fitting from one manufacturer on a hose from a different manufacturer.

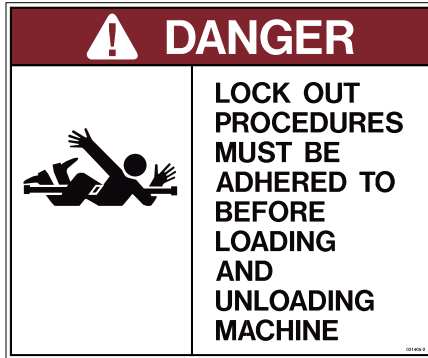
DO NOT install crimp fittings on hoses meant for reusable fittings.

SAFETY DECALS

031405-4



031405-2



031405-11



031405-1



Rapid Roller Manual

Do not use the Rapid Roller unless you have read and understand this manual and have the necessary training and authorization to operate and maintain your machine properly.

Remember that you are the key to safety. Good safety practices protect you and the people around you. Make this manual a working part of your safety program.

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter to: L&C Enterprises-USA, Inc., 1646 17.4 Road, Escanaba, MI 49829

SAFETY SYMBOLS



SAFETY ALERT SYMBOL

Means: ATTENTION, BE ALERT, YOUR SAFETY IS INVOLVED.

This safety symbol is used for important safety messages. When you see this symbol, follow the safety message to avoid personal injury and/or property damage.

Understand signal words: DANGER, WARNING, and CAUTION are used with the SAFETY ALERT SYMBOL.



DANGER identifies the hazard or unsafe practice that will result in severe personal injury or death.



WARNING identifies the hazard or unsafe practice that could result in severe personal injury or death.



CAUTION identifies the hazard or unsafe practices that could result in personal injury or property damage.



NOTICE identifies important installation, operation, or maintenance information.

This operator's manual includes information available and current at the time of approval for printing. L&C Enterprises-USA reserves the right to improve its product without giving prior notice or incurring obligation.

NOTICE Tools needed to assemble the Rapid Roller:

- Utility knife
- Tin snips or band cutter
- Two 3/4 inch wrenches
- Two 9/16 inch wrenches
- Power screwdriver with Phillips head
- Rubber hammer

ASSEMBLY

1. The Rapid Roller is shipped wrapped in plastic wrap and sitting on a wood shipping pallet. (Fig. 1-A) Remove and discard the plastic shipping wrap and protective cardboard corners from the Rapid Roller. You can cut the plastic wrap with a utility knife.

2. Cut the two metal bands securing the unit to the pallet with a tin snips or band cutter. (Fig. 1-B) Remove and discard the metal bands and protective cardboard.

3. At the front of the Rapid Roller, lift the Safety Guide to access the Safety Handle stored for shipping between to pieces of cardboard. (Fig. 1-C) Remove the Safety Handle (Fig. 1-D) and lower the Safety Guide. Discard the protective cardboard.



Figure 1-A



Figure 1-B



Figure 1-C

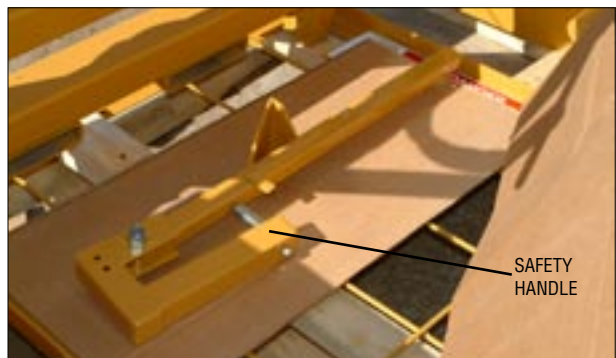


Figure 1-D

4. Using the 9/16 inch wrenches, temporarily remove the two bolts where the Safety Handle will be secured to the Rapid Roller. (Fig. 1-E) The Safety Handle Mount is located above the motor on the left side of the unit as you face the Rapid Roller. (Fig. 1-F)



Figure 1-E

5. Line up the two holes on the bottom of the Safety Handle with the holes in the Safety Handle Mount and re-install the two bolts to secure the Safety Handle to the Rapid Roller. Do not over tighten. Tighten the nuts until snug.

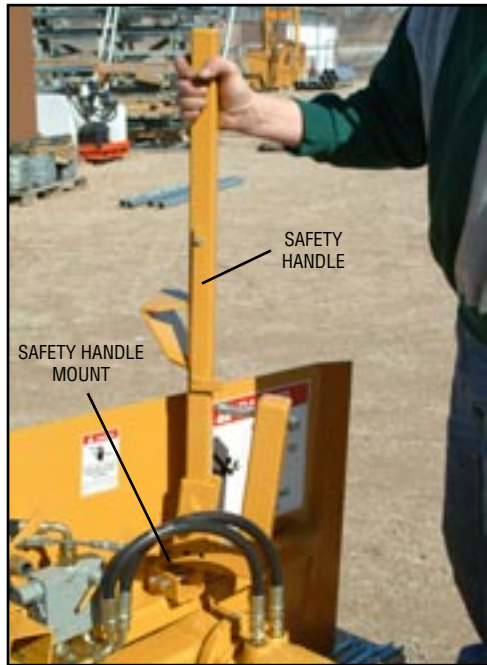


Figure 1-F

6. The back of the Rapid Roller has two holders to accommodate a fork lift. (Fig. 1-G) They are located beneath the frame on the back or mounting side of the Rapid Roller. Use a fork lift to lift the Rapid Roller from the wood shipping pallet. (Fig. 1-H) The Safety Guard will remain on the pallet. Set the Rapid Roller down on the ground.

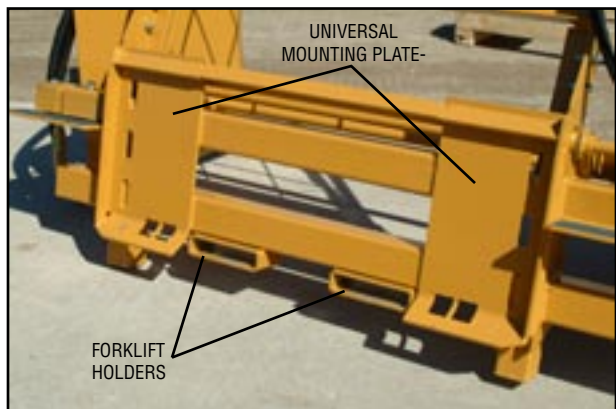


Figure 1-G



Figure 1-H

7. Remove the four 2x4 blocks securing the Safety Guard to the shipping pallet. (Fig. 1-I) Back the screws out of the blocks until free. (Fig. 1-J) Discard the blocks.

8. At the Rapid Roller, cut the cable ties holding the hydraulic cables to the unit. (Fig. 1-K) Pull the hydraulic cables away from the unit and set down. (Fig. 1-L)

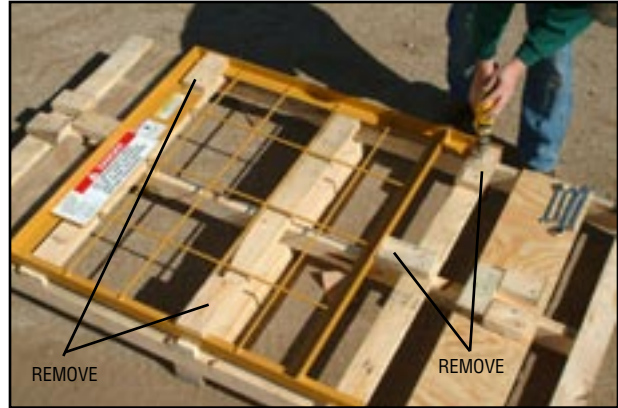


Figure 1-I



Figure 1-J



Figure 1-K



Figure 1-L

9. Using the 3/4 inch wrenches, temporarily remove the bolts at the two locations where the Safety Guard will be secured to the Rapid Roller. The two Safety Guard Mounts stick up from the back of the unit. (Fig. 1-M)



Figure 1-M

10. Use two people to lift the Safety Guard off the shipping pallet. Line up the holes on the legs at the bottom of the Safety Guard with the holes where you removed the bolts on the Safety Guard Mounts. The safety decals on the Safety Guard must face the skid-steer. (Fig. 1-N)



Figure 1-N

11. If needed, use a rubber hammer to adjust the Safety Guard when lining up the bolt holes. (Fig. 1-O) Re-install the bolts, two on each side.



Figure 1-O

12. Lift the hydraulic hoses off the ground and carefully align the hoses up the back of the Safety Guard. Use the bungee cable that came with the unit to secure the hoses to the Safety Guard. Looking at the top two inside squares on the grid, hook the bungee on the grid's right joint. Wrap the bungee around the hoses three times and hook to the grid's left joint. (Fig. 1-P)



Figure 1-P

13. At the bottom right of the Safety Guard, attach the hydraulic hoses to the grid using cable ties. Use two cable ties at each location. (Fig. 1-Q) Cut off the excess cable tie to avoid any possible entanglement.

14. Drive a skid-steer up to the universal mounting plate on the back or mounting side of the Rapid Roller. (Fig. 1-R) Lock the Rapid Roller to the skid-steer according to your skid-steer's directions.

15. It is important to thoroughly clean the hydraulic couplers before connecting. (1-S) If dirt gets into the hydraulic system, equipment failure can result. If hydraulic oil or filters are past their scheduled change intervals it is recommended they be changed before using the Rapid Roller.

⚠ WARNING Pressure may need to be released before hooking up the hydraulic hoses.

NOTICE Clean the hydraulic couplers with a rag before connecting.

16. Attach the hydraulic hoses to the skid-steer. (Fig. 1-T) The Rapid Roller is now ready for use.

NOTICE Check hydraulic oil level. Equipment may not operate properly if oil is too low.



Figure 1-Q



Figure 1-R



Figure 1-S



Figure 1-T

PREPARE FOR USE

1. The linkage is factory adjusted for proper operation. If for some reason this needs to be adjusted, turn to page 23 in this manual.
2. The Rapid Roller has two grease fittings. The grease fittings are located above the guard pivot rod on both sides of the Rapid Roller. (Fig. 2-B) You should grease the unit before using and as needed.
3. A step is provided on both sides of the Rapid Roller for easy access to the skid-steer. (Fig. 2-C and 2-D)

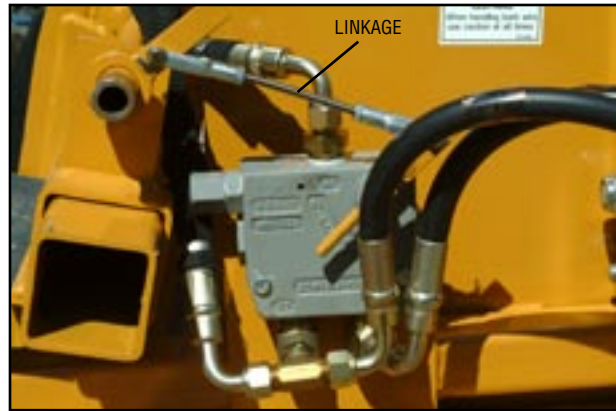


Figure 2-A



Figure 2-B



Figure 2-C



Figure 2-D

RAISING AND SECURING THE SAFETY GUIDE

The Safety Guide helps maintain a consistent speed while rewinding fabric.

1. From the motor side, lift the Safety Guide with your right hand. (Fig. 3-A)

⚠ WARNING Never raise or lower the Safety Guide while standing in front of the machine. When the Safety Guide is in the down position the skid-steer operator can turn on the Core Drive unit that turns the Core. The Core Drive can only turn when the Safety Guide is in the down position. Always raise and lower the Safety Guide while standing at the side of the Rapid Roller.

2. Pull the Safety Handle back to allow the Safety Guide to pass by unobstructed to the middle crossbar. (Fig. 3-B)

3. Return the Safety Handle and rest the Safety Guide on the Safety Handle Stop. (Fig. 3-C)

4. Hold the Safety Guide in place with the Lock-Out Latch on the Safety Handle. The Lock-Out Latch rotates up and around to the Safety Guide and hooks on the inside of the sidearm and above the crossbar. (Fig. 3-D)



Figure 3-A



Figure 3-B



Figure 3-C



Figure 3-D

5. With the Safety Guide in the down position, the motor will turn the core when the skid-steer operator engages the hydraulics. With the Safety Guide in the up position, the core is prevented from turning. This is to protect the laborer working with the Rapid Roller. You can go to the front of the Rapid Roller when the Safety Guide is in the up position and the Lock-Out Latch is hooked in place. (Fig. 3-E) Never go in front of the Rapid Roller when the Safety Guide is in the down position. (Fig. 3-F)

6. To lower the Safety Guide, unhook the Lock-Out Latch, lift the Safety Guide slightly with your right hand and pull the Safety Handle back with your left hand. Lower the Safety Guide and return the Safety Handle to its normal position.

⚠ WARNING Never go in front of the Rapid Roller when the Safety Guide is in the down position.

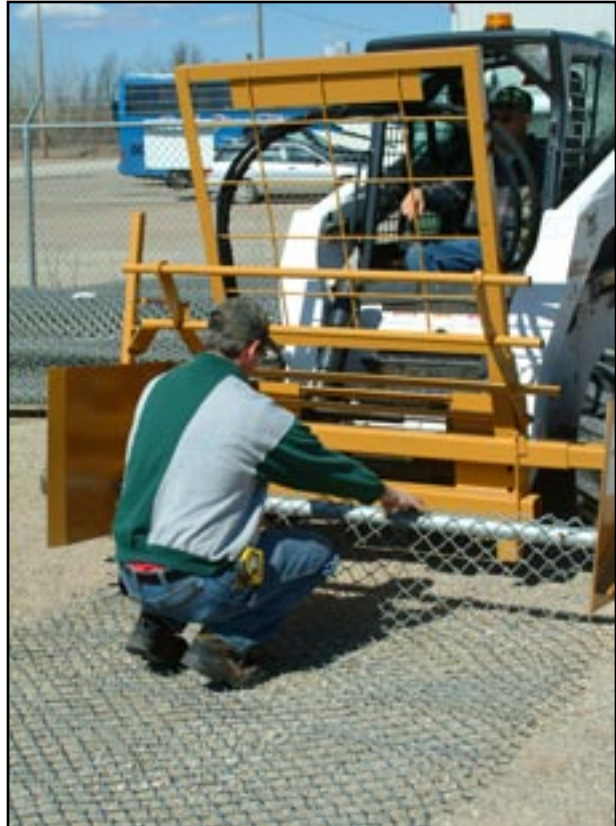


Figure 3-E



Figure 3-F

ADJUSTING THE SIDE ASSEMBLY

The Rapid Roller is able to handle fabric from 5 foot to 8 foot. A longer Adjusting Tube is optional for 10 and 12 foot fabric.

1. Before starting a project, remove the transportation pin from the Adjusting Tube. (Fig. 4-A) You will need to replace the pin at the end of the project. Insert the pin in the storage hole at the top of the Safety Guard.

2. With your left hand, grip the top front panel of the Side Assembly. (Fig. 4-B) You will lift the panel off the ground when expanding or contracting the Side Assembly.

3. With your right hand, grip the handle near the Adjusting Tube. (Fig. 4-C)

4. Lift the front end of the panel with your left hand and pull or push the Side Assembly with your right hand. The assembly should move easily. (Fig. 4-D)

5. If you need to use the optional adjusting tube for 10 and 12 foot fabric, remove the two bolts holding the Side Assembly to the Adjusting Tube. (Fig. 4-C) Remove the Side Assembly from the Adjusting Tube. Pull the Adjusting Tube out of the Rapid Roller and replace with the longer Adjusting Tube. Insert the Side Assembly and secure with the two bolts. Adjust the Side Assembly to your desired length.



Figure 4-A



Figure 4-B

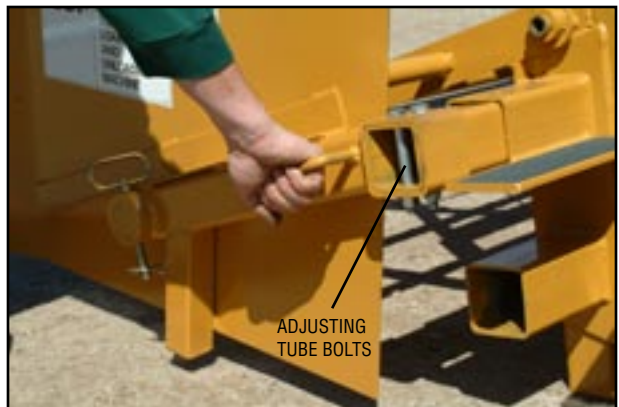


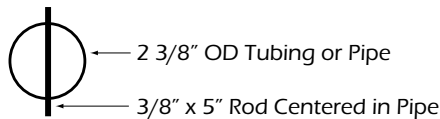
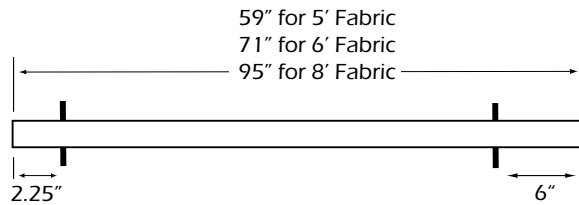
Figure 4-C



Figure 4-D

INSTALLING THE CORE

The Core is used to roll the fabric. It can be purchased from L&C Enterprises-USA or made yourself. The Core needs to be an inch shorter than the fabric.



NOTICE The rod must be in the center of the pipe to connect with the Core Drive Shaft properly. Do not use Truss Rods. It's too soft of a material.

Two pins are inserted into the pipe to hook the fabric to the Rapid Roller. The pin 2.25 inches from the end is also used to connect the Core to the Core Drive Shaft. (Fig. 5-A) Additional pins can be inserted if desired for longer fabric. Drill the pin holes in the pipe so the pin can be driven in tightly.

1. Move the Side Assembly just a few inches longer than the Core you will be using.

2. There are pins on each end of the Core. One is closer to the end of the Core than the other. (Fig. 5-A) Slide that end over the Core Drive Shaft on the motor side of the unit. (Fig. 5-B)

3. On the other side, position the Core in line with the Side Assembly Core Holder. (Fig. 5-C) Pull the Core from the left slightly so it rests on the Side Assembly Core Shaft without falling off the Core Drive Shaft on the other end. (Fig. 5-D)



Figure 5-A



Figure 5-B



Figure 5-C



Figure 5-D

4. Push the Side Assembly in tight against the Core. Pull the Side Assembly back slightly to create about an 1/8 inch gap on the Core to allow easy movement. (Fig. 5-E)



Figure 5-E

5. It may be easier to know adjustments of the Side Assembly by marking distances that you commonly use on the adjusting tube. (Fig. 5-F)



Figure 5-F

HOOKING FABRIC

1. Drive the skid-steer with the Rapid Roller to the end of the fabric that you want to rewind.

2. Lift the Safety Guide in the up position and secure in place with the Lock-Out Latch. This will prevent the skid-steer operator from turning the Core while hooking the fabric to the Core.



Figure 6-A

3. Lift the fabric up over the Core and hook it over the pins on each end of the Core. (Fig. 6-A)

4. Unhook the Lock-Out Latch and lower the Safety Guide. (Fig. 6-B) Stand away from and to the side of the skid-steer.



Figure 6-B

OPERATING THE Rapid Roller

1. As the Rapid Roller winds up fabric, drive forward to allow for slack. Keep the unit high enough off the ground to prevent the fabric from hitting the ground or other obstacles. (Fig. 7-A) When working in tall grass or leaves, you may be able to shake the debris free by raising the Rapid Roller high. (Fig. 7-B) As the roll of fabric gets bigger, the motor will automatically adjust to control the speed of the unit.

⚠ WARNING Do not raise the unit to a position that blocks your sight while operating the skid-steer.

⚠ WARNING Raising the Rapid Roller to an excess height when the skid-steer is on uneven ground may cause the machine to tip over.

⚠ CAUTION Make sure the hydraulic cables are not over stretched when lifting the Rapid Roller. (Fig. 7-C) The hydraulic hoses and/or fittings can be damaged or broken by overstretching.

2. When the fabric is completely rolled, hog ring the end to itself to prevent unwinding. (Fig. 7-D) You should hog ring the bundle in at least two locations. (Fig. 7-E) If the fabric is short, you can add more fabric to the existing roll by hog ring the fabric to the end of the roll and continue winding. The Rapid Roller can handle up to 100 foot rolls.



Figure 7-A



Figure 7-B



Figure 7-C



Figure 7-D



Figure 7-E

3. When roll is complete, lower the fabric to the ground to take pressure off of the Side Assembly adjusting arm. (Fig. 7-F)

4. Raise the Safety Guide and flip around the Lock-Out Latch to lock in place. Fig. 7-G)

5. Pull the Side Assembly out of the Core. (Fig. 7-H) Pull about a foot from the Core to allow the skid-steer operator to unhook the other end of the roll by shifting to the right.

6. After freeing the right side of the Rapid Roller, the skid-steer operator then pulls away from the roll. (7-I)



Figure 7-F



Figure 7-G



Figure 7-H



Figure 7-I

SITE PREPARATION

1. It's best to operate the Rapid Roller with the motor end of the unit away from the fence posts or other obstacles to prevent damage to the motor. (Fig. 8-A) The Rapid Roller can achieve closer access to the posts by following the fence line on the left side of the Rapid Roller. (Fig. 8-D)

CAUTION Driving the motor side of the Rapid Roller too close to fence posts or other obstacles may cause damage to the motor and/or fence posts. If possible, pull the fabric laying on the ground away from the posts before following the fence line on the right side of the Rapid Roller.

2. Cut the fabric free of the existing fence and drop to the ground. (Fig. 8-B) If you have a top wire, you don't want to cut off each hog ring. Cut the tension wire at the loop cap and, if possible, pull the tension wire out. You can still roll the fabric if you cannot pull out the tension wire or want to leave it in. However, leaving the tension wire in may prevent the fabric from rolling tightly. The result would be less fabric per roll.

4. In areas where the skid-steer cannot easily maneuver, (Fig 8-C) pull the fabric back with the skid-steer. When you have a length of fabric you can roll, operate normally by moving the skid-steer forward to roll fabric. You can continue to pull back and roll forward until the roll is completely wound. (Fig. 8-D)

NOTICE If you have any questions, please call 1-800-786-1009.



Figure 8-A



Figure 8-B



Figure 8-C



Figure 8-D



Figure 9-A



Figure 9-B

ADJUSTING THE LINKAGE

1. The Core should stop turning when the worker lifts the second bar on the Safety Guide to the bottom of the rest plate on the Safety Handle (Fig. 9-A) or just below the plate. (Fig. 9-B)

⚠ DANGER The Core should not be turning when the Safety Guide is resting on the Safety Handle.

2. To adjust the linkage that controls when the motor operating the Core turns off, go to the linkage behind the Safety Handle. Remove the pin. (Fig. 9-C)

3. Turn the brace. (Fig. 9-D) Turn clockwise to turn the motor off sooner and counterclockwise to let the motor run longer.

4. Re-attach the pin. (Fig. 9-E)

5. Lift the Safety Guide to test when the motor shuts off. It should shut off between the positions shown in Fig. 9-A and 9-B.



Figure 9-C



Figure 9-D



Figure 9-E