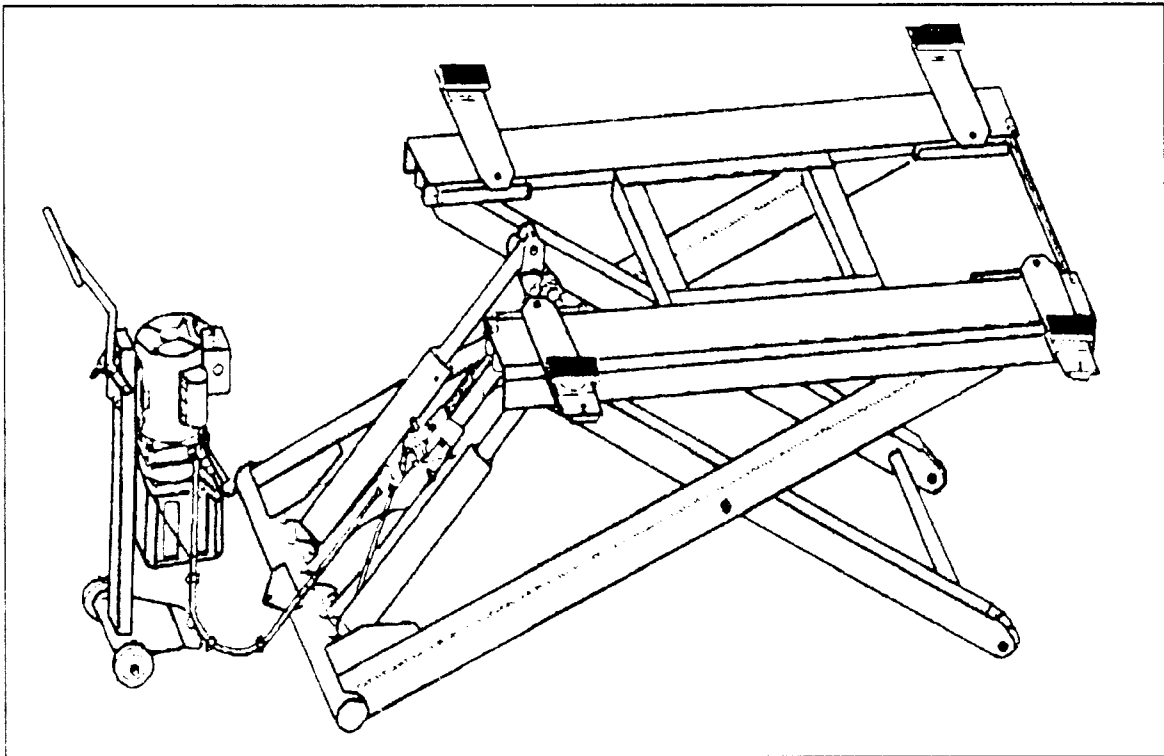


# SCISSOR LIFT

6,000 LBS. CAPACITY - 48" HEIGHT

ASSEMBLY AND OPERATING INSTRUCTIONS



TO HELP PREVENT SERIOUS INJURY AND/OR  
DEATH, READ AND UNDERSTAND ALL  
WARNINGS AND INSTRUCTIONS BEFORE USE.

## PRODUCT SPECIFICATIONS

Item	Description
Electrical Requirements	115V/230V* 60Hz/50Hz. 1 HP / Single Phase. 3-Prong Power Plug.
Maximum Lifting Capacity	6000 Pounds (48" Mid-Rise Scissor Lift).
Minimum Lift Height	7" At Pads.
Maximum Lift Height	4-1/2 Feet At Pads.
Overall Dimensions	99-3/4" L x 39-1/2" W x 7" H (Fully Lowered).
Piston Rod Travel	20.5".
Pump Type	Hydraulic/Electro w/Steel Dolly.
Pump Hydraulic Oil Capacity	6.5 Quarts.
Weight	849 Pounds.


\*The Scissor Lift is prewired 115V from the factory. This product may be wired for 230V operation (only a certified electrician should change the voltage on this product).

See page 19 for the motor wiring diagram.

## SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.


## GENERAL SAFETY RULES

 **WARNING!**  
**READ AND UNDERSTAND ALL INSTRUCTIONS**  
Failure to follow all instructions listed in the following pages may result in electric shock, fire, and/or serious injury.  
**SAVE THESE INSTRUCTIONS**

## WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power equipment in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power equipment can create sparks which may ignite flammables.
3. **Keep bystanders, children, and visitors away while operating power equipment.** Distractions can cause you to lose control.

## PERSONAL SAFETY

1. **Stay alert. Watch what you are doing, and use common sense when operating power equipment. Do not use power equipment while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power equipment may result in serious personal injury.
2.  **RISK OF ENTANGLEMENT! Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
3. **Avoid accidental starting. Be sure the Power Switch is off before plugging in.** Plugging in power equipment with the Power Switch on invites accidents.
4. **Remove adjusting keys or wrenches before turning on power equipment.** A wrench or a key that is left attached to a moving part of power equipment may result in personal injury.
5. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the power equipment in unexpected situations.
6. **Use safety equipment. Always wear ANSI approved safety impact eye goggles underneath a full face shield.**

## TOOL USE AND CARE

1. **Use clamps (not included) or other practical ways to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.

2. **Do not force power equipment. Use the correct equipment for your application.** The correct equipment will do the job better and safer at the rate for which it is designed.
3. **Do not use power equipment if the Power Switch does not turn it on or off.** Any equipment that cannot be controlled with the Power Switch is dangerous and must be repaired or replaced.
4. **Disconnect the Power Cord Plug from the power source before making any adjustments, changing accessories, or storing the power equipment.** Such preventive safety measures reduce the risk of starting the equipment accidentally.
5. **Store idle equipment out of reach of children and other untrained persons.** Power equipment is dangerous in the hands of untrained users.
6. **Maintain power equipment with care.** Properly maintained equipment are less likely to fail and are easier to control. Do not use damaged power equipment. Tag damaged power equipment "Do not use" until repaired.
7. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power equipment's operation. If damaged, have the equipment serviced before using.** Many accidents are caused by poorly maintained power equipment.
8. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one power equipment may become hazardous when used on another power equipment.

## SERVICE

1. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
2. **When servicing a tool, use only identical replacement parts. Follow instructions in the "Inspection, Maintenance, And Cleaning" section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

## ELECTRICAL SAFETY

1. **Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.** If the tools should electrically malfunction or

break down, grounding provides a low resistance path to carry electricity away from the user.

2. **Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation  eliminates the need for the three wire grounded power cord and grounded power supply system.
3. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators.** There is an increased risk of electric shock if your body is grounded.
4. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
5. **Do not abuse the Power Cord. Never use the Power Cord to carry the tools or pull the Plug from an outlet. Keep the Power Cord away from heat, oil, sharp edges, or moving parts. Replace damaged Power Cords immediately.** Damaged Power Cords increase the risk of electric shock.
6. **When operating a power tool outside, use an outdoor extension cord marked “W-A” or “W”.** These extension cords are rated for outdoor use, and reduce the risk of electric shock.

## GROUNDING

### **WARNING!**

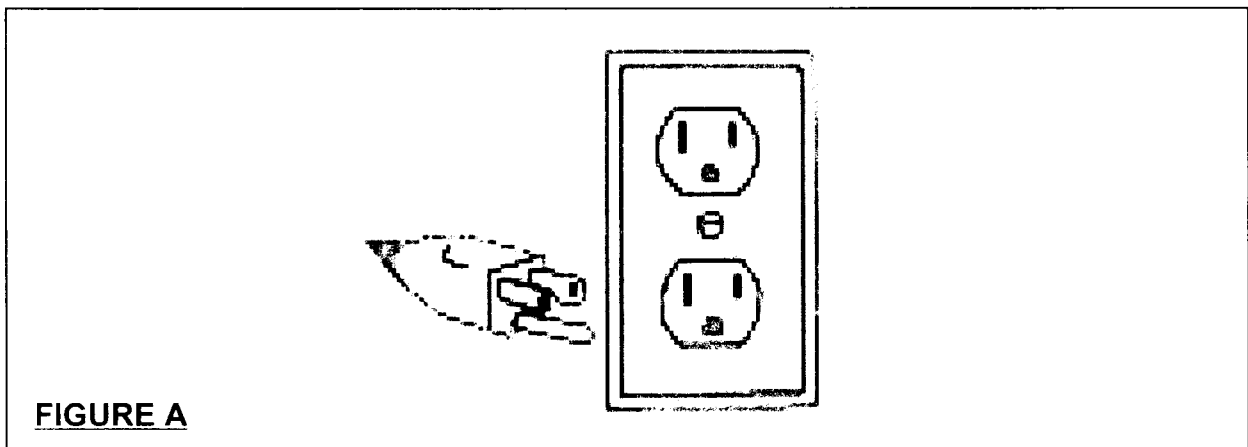
**Improperly connecting the grounding wire can result in the risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.**

## GROUNDED TOOLS: TOOLS WITH THREE PRONG PLUGS

1. Tools marked with “Grounding Required” have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low

resistance path to carry electricity away from the user, reducing the risk of electric shock. **(See Figure A.)**

2. The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the only wire connected to the tool's grounding system and must never be attached to an electrically "live" terminal. **(See Figure A.)**
3. Your tool must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the following illustration. **(See Figure A.)**



### **EXTENSION CORDS - 115 VOLT**

1. **115 volt Double Insulated** power equipment can use either a two or three wire 115 volt extension cord.
2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. **(See Figure B, next page.)**
3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. **(See Figure B.)**
4. When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required. **(See Figure B.)**

5. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size. **(See Figure B.)**
6. If you are using an extension cord outdoors, make sure it is marked with the suffix "W-A" ("W" in Canada) to indicate it is acceptable for outdoor use.
7. Make sure your extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.
8. Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

<b>REQUIRED MINIMUM EXTENSION CORD GAUGE - 115 VOLT</b>					
<b>NAMEPLATE AMPERES (At Full Load)</b>	<b>EXTENSION CORD LENGTH</b>				
	<b>25 Feet</b>	<b>50 Feet</b>	<b>75 Feet</b>	<b>100 Feet</b>	<b>150 Feet</b>
<b>0 – 2.0</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>16</b>
<b>2.1 – 3.4</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>16</b>	<b>14</b>
<b>3.5 – 5.0</b>	<b>18</b>	<b>18</b>	<b>16</b>	<b>14</b>	<b>12</b>
<b>5.1 – 7.0</b>	<b>18</b>	<b>16</b>	<b>14</b>	<b>12</b>	<b>12</b>
<b>7.1 – 12.0</b>	<b>18</b>	<b>14</b>	<b>12</b>	<b>10</b>	<b>-</b>
<b>12.1 – 16.0</b>	<b>14</b>	<b>12</b>	<b>10</b>	<b>-</b>	<b>-</b>
<b>16.1 – 20.0</b>	<b>12</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>

\* Based on limiting the line voltage drop to five volts at 150% of the rated amperes.

**FIGURE B**

**EXTENSION CORDS - 230 VOLT**

1.



**IMPORTANT!** If the Scissor Lift is to be powered by a 230 volt, grounded, electrical outlet, a 230 volt grounded Power Cord (not included) must be wired to the Motor (1A). Also, a 230 volt, grounded, Power Cord Plug (not included) must be attached to the Power Cord. **THIS WIRING PROCEDURE MUST ONLY BE DONE BY A QUALIFIED, CERTIFIED ELECTRICIAN.** (See Figure C, next page.)

REQUIRED MINIMUM EXTENSION CORD GAUGE - 230 VOLT				
NAMEPLATE AMPERES (At Full Load)	EXTENSION CORD LENGTH			
	0-25 Feet	25-50 Feet	50-100 Feet	100-150 Feet
6	18	16	14	12
8	18	16	12	10
10	18	14	12	10
12	16	14	10	8
14	16	12	10	8
16	16	12	10	8
18	14	12	8	8
20	14	12	8	6
22	14	10	8	6
24	14	10	8	6
26	12	10	8	6
28	12	10	6	4
30	12	10	6	4

FIGURE C

SYMBOLOLOGY






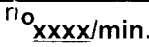


	Double Insulated
	Canadian Standards Association
	Underwriters Laboratories, Inc.
	Volts Alternating Current
	Amperes
	No Load Revolutions Per Minute (RPM)

FIGURE D

SPECIFIC SAFETY RULES

1.  **DANGER!** Make sure you know the weight of the vehicle you are going to lift *before* using the Scissor Lift. Do not exceed the maximum lift capacity (6,000 pounds at 48" elevation) for the Scissor Lift. Overloading the Scissor Lift could cause personal injury and/or property damage. Be aware of

*dynamic loading!* If a weight suddenly falls onto the Scissor Lift, it may create for a brief instant an excess load which may result in personal injury and/or damage to the vehicle and Scissor Lift.

2.  **WARNING!** Use the Scissor Lift only in well ventilated areas. Carbon monoxide exhausted from running vehicle engines is a colorless, odorless fume that, if inhaled, can cause serious personal injury or death.
3. **Make sure to read and understand all instructions and safety precautions as outlined in the manufacturer's manual for the vehicle you are lifting.** All four Rubber Saddles (39B) of the Scissor Lift must be used when lifting a vehicle. Always use the manufacturer's recommended lifting points.
4. **Do not use the Scissor Lift on any asphalt surface.** Make sure the Scissor Lift is used on a dry, oil/grease free, flat, level, **CONCRETE** surface capable of supporting the weight of the Scissor Lift, the vehicle being lifted, and any additional tools and equipment. The concrete floor surface should have a minimum thickness of 5". The concrete must have a minimum strength of 4,000 PSI, and should be aged at least 30 days prior to use. Do not use the Scissor Lift on concrete expansion seams or on cracked, defective concrete.
5. **Always examine the Scissor Lift for structural cracks, bends, damage to the hydraulic hoses and electrical wiring, and any other condition that may affect the safe operation of the Lift.** Do not use the Scissor Lift even if minor damage is detected.
6. **IMPORTANT!** Operation (raising or lowering) of the Scissor Lift can be immediately stopped at any time by releasing pressure on the Power Switch located on the Motor (1A).
7. **Make sure the Oil Tank (13A) is completely filled (approx. 6.5 quarts) with a premium quality hydraulic oil prior to operating the Scissor Lift.**
8. **Always allow at least two seconds after the Motor (1A) starts to raise or lower the Scissor Lift.** Failure to do so may cause the Motor to burn out.
9. **Prior to beginning a job, make sure the Safety Lock Assembly (36B) and its**