



GLO-7000 SERIES

(GLO-7000 & GLO-7000XLT)

7,000 LBS. CAPACITY
FOUR-POST STORAGE LIFT
(BLUE)

INSTALLATION & OPERATION MANUAL

SERIAL NUMBER: _____

INSTALLATION DATE: _____

EAGLE EQUIPMENT 1-800-336-2776

(STANDARD)

SHIPPING AND DAMAGE CLAIMS

When this equipment is shipped, title passes to the purchaser upon receipt from the carrier. Consequently, claims for the material damaged in shipment must be made by the purchaser against the transportation company at the time shipment is received.

BE SAFE

Your new lift was designed and built with safety in mind. However, your own safety can be increased by proper training and thoughtful operation on the part of the operator. DO NOT operate or repair this equipment without reading this manual and the important safety instructions shown inside.

Keep this operation manual near the machine at all times. Make sure that ALL USERS read this manual.

READ THIS ENTIRE MANUAL BEFORE OPERATION BEGINS

INTRODUCTION

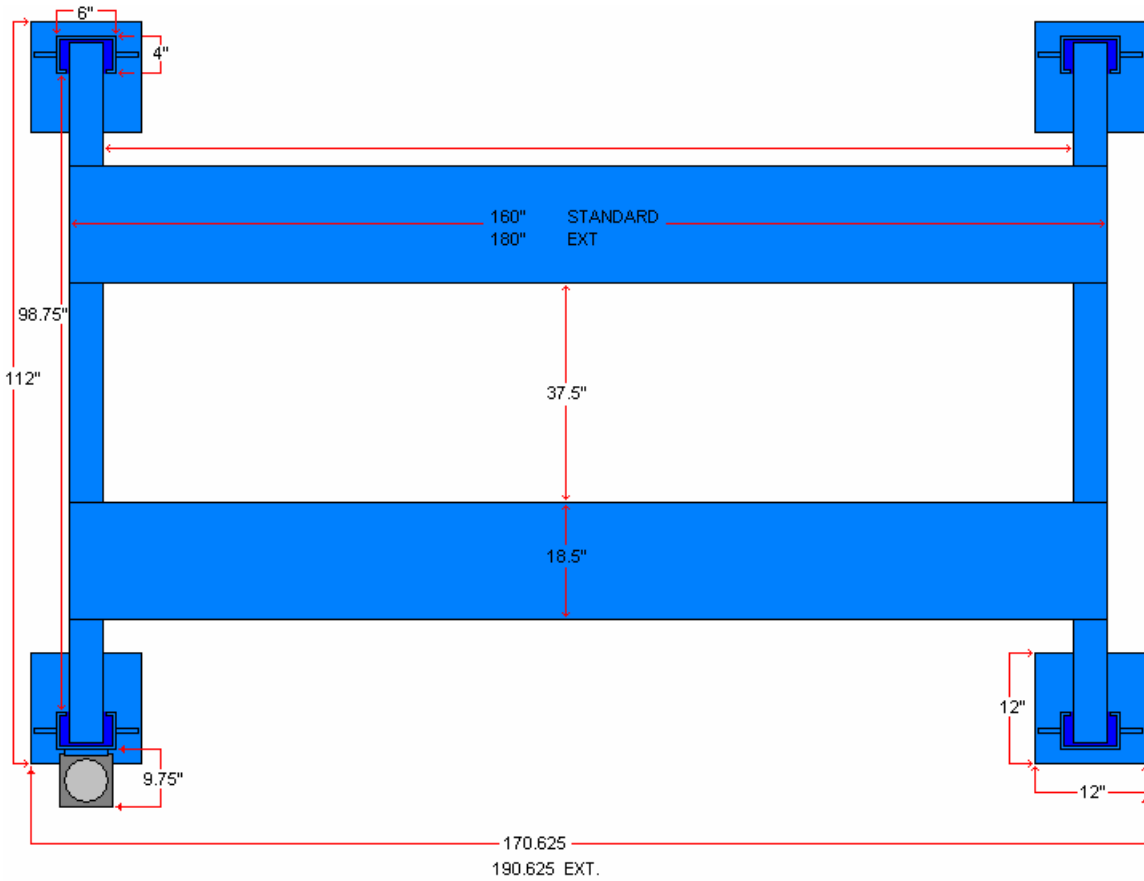
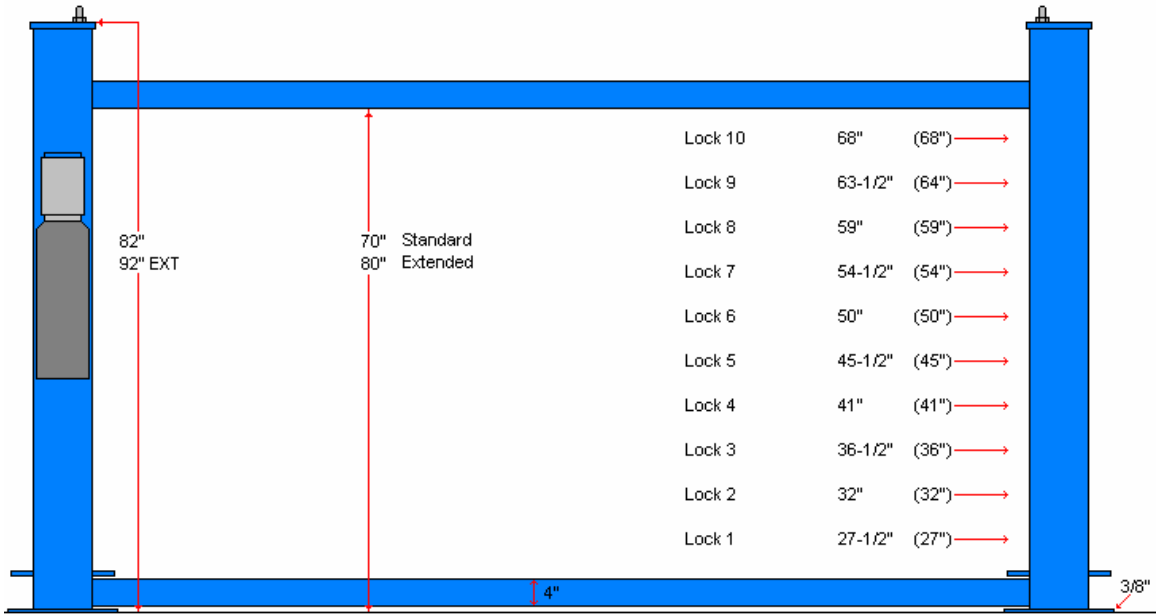
1. Carefully remove crating and packing materials. **CAUTION!** Be careful when cutting steel banding material, as items may become loose and fall, causing personal harm or injury.
2. Inspect the lift for any signs of concealed shipment damage or shortages. Remember to report any shipping damage to the carrier and make a notation on the delivery receipt.
3. Check the voltage, phase and proper amperage requirements for the motor shown on the motor plate. **Wiring should be performed by a certified electrician only.**

IMPORTANT SAFETY INSTRUCTIONS

Read These Safety Instructions Thoroughly

1. Read and understand all safety warning procedures before operating lift.
2. Keep hands and feet clear. Remove hands and feet from any moving parts. Keep feet clear of lift when lowering. Avoid pinch points.
3. Keep work area clean. Cluttered work areas invite injuries.
4. Consider work area environment. Do not expose equipment to rain. Do not use in damp or wet locations. Keep area well lighted.
5. Only trained operators should operate this lift. All non-trained personnel should be kept away from work area. Never let non-trained personnel come in contact with, or operate lift.
6. Use lift correctly. Use lift in the proper manner. Never use lifting adapters other than those provided by the manufacturer.
7. Do not override self-closing controls.
8. Remain clear of lift when raising or lowering vehicle.
9. Clear area if vehicle is in danger of falling.
10. Always insure that the safeties are engaged before any attempt is made to work on or near vehicle.
11. Dress properly. Non-skid, steel-toe is recommended when operating lift.
12. Guard against electric shock. This lift must be grounded while in use to protect the operator from electric shock. Never connect the ground power cord wire to a live terminal. This is for ground only.
13. **Danger!** The power unit used on this lift contains high voltage. Disconnect power at the receptacle before performing any electrical repairs. Secure plug so that it cannot be accidentally plugged in during service.
14. **Warning!** Risk of explosion. This equipment has internal arcing or sparking parts which should not be exposed to flammable vapors. This machine should not be located in a recessed area or below floor level.
15. Maintain with care. Keep lift clean for better and safe performance. Follow manual for proper lubrication and maintenance instructions. Keep control handles and/or buttons dry, clean and free from grease and oil.
16. Stay alert. Watch what you are doing. Use common sense. Be aware.
17. Check for damaged parts. Check for alignment of moving parts, breakage of parts or any condition that may affect its operation. Do not use lift if any component is broken or damaged.
18. Never remove safety related components from the lift. Do not use lift if safety related components are damaged or missing.

PROFILE (FIG. 1)



(fig. 1)

(Standard Model)

BASIC STRUCTURE OF PRODUCT

This product is a four-post, single cylinder, direct-drive lift which uses steel cables for lifting and leveling. The main components are the towers, runways, ramps, cross-rails, cylinder, cables and power unit. Cross-rails have locking mechanisms for simple and safe operation.

Depressing the switch on the power unit raises the lift. Releasing the switch stops the lift. Lift should always be settled on the locking mechanisms. To lower the lift, simply raise the cross-rails up off the locks, use the single-point lock-release handle to disengage the locks, and depress the lowering handle.

Ramps drop-in and lift-out for easy application. Casters afford mobility with or without a vehicle. A jack tray is included for use with independent jacks (not included).

BASIC INFORMATION

Model	Capacity	Lifting Height	Lifting Time	Lowering Time	
GLO-7000	7000lbs.	70"	45 sec.	20 sec.	
GLO-7000XLT	7000LBS.	80"	45 sec.	20 sec.	
	Voltage	Height	Width	Drive-through	Weight
GLO-7000	220v/20a/1ph 110v/15a/1ph	82"	112"	96"	1625lbs.
GLO-7000XLT	220v/20a/1ph 110v/15a/1ph	92"	112"	96"	1820lbs.

INSTALLATION

TOOLS REQUIRED

Rotary Hammer Drill (if unit is to be anchored)
3/4" Masonry Bit (if unit is to be anchored)
Hammer
4 Foot Level
Open-End Wrench Set (7/16" to 1-1/8")
Socket and Ratchet Set (7/16" to 1-1/8")
Hex-key/Allen Wrench Set

Medium Crescent Wrench
Medium Pipe Wrench
Crow Bar
Chalk Line
Medium Flat Screwdriver
25' Tape Measure
Needle Nose Pliers

IMPORTANT NOTICE

These instructions must be followed to ensure proper installation and operation of your lift. Failure to comply with these instructions can result in serious bodily harm and void product warranty. Manufacturer will assume no liability for loss or damage of any kind, expressed or implied, resulting from improper installation or use of this product.

PLEASE READ ENTIRE MANUAL PRIOR TO INSTALLATION.

STEP 1
(selecting site)

Before installing your new lift, check the following:

1. **LIFT LOCATION:** Always use architect's plans when available. Check layout dimension against floor plan requirements making sure that adequate space is available.
2. **OVERHEAD OBSTRUCTIONS:** The area where the lift will be located should be free of overhead obstructions such as heaters, building supports, electrical lines, etc.
3. **Defective Floor:** Visually inspect the site where the lift is to be installed and check for cracked or defective concrete.

STEP 2
(floor requirements)

This lift must be installed on a solid level concrete floor with no more than 3-degrees of slope. Failure to do so could cause personal injury or death.

A level floor is suggested for proper installation and level lifting. If a floor is of questionable slope, consider a survey of the site and/or the possibility of pouring a new level concrete slab.

DO NOT install this lift on any asphalt surface or any surface other than concrete.

DO NOT install this lift on expansion seams or on cracked or defective concrete.

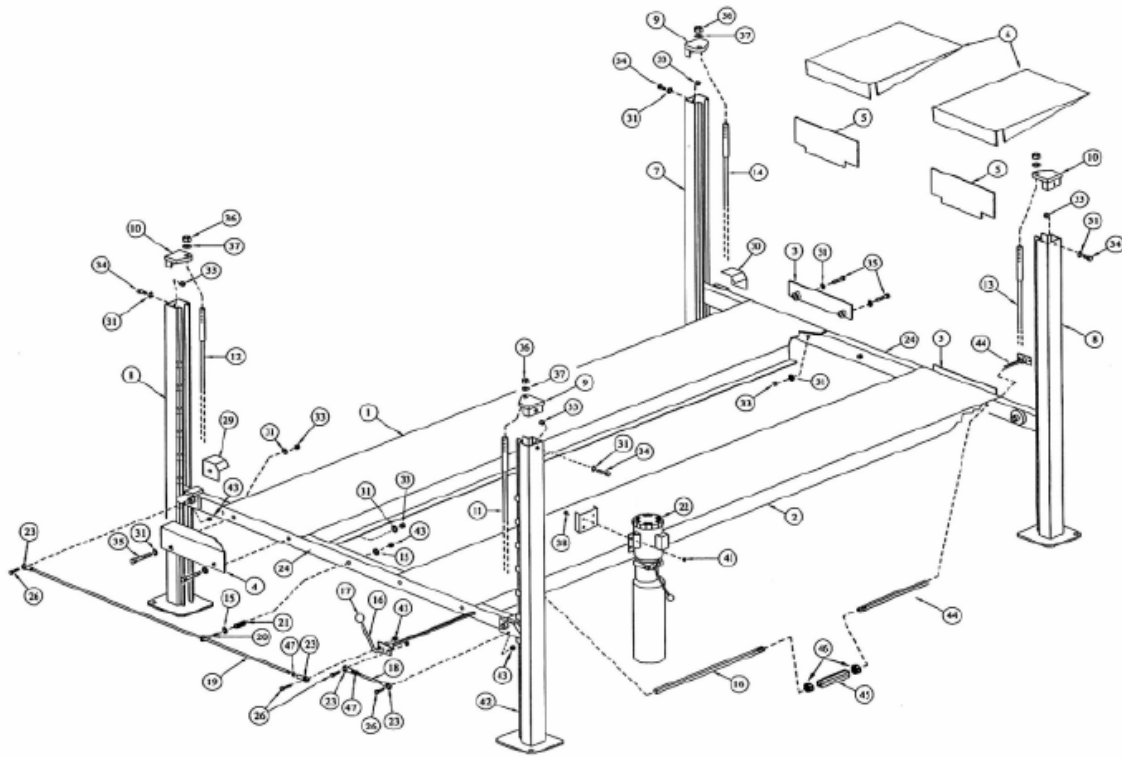
DO NOT install this lift on a second/elevated floor without first consulting building architect.

DO NOT install this lift outdoors unless special consideration has been made to protect the power unit from inclement weather conditions.

CONCRETE SPECIFICATIONS

<u>LIFT MODEL</u>	<u>CONCRETE REQUIREMENT</u>
GLO-7000 / GLO-7000XLT	4" <u>Minimum</u> Thickness

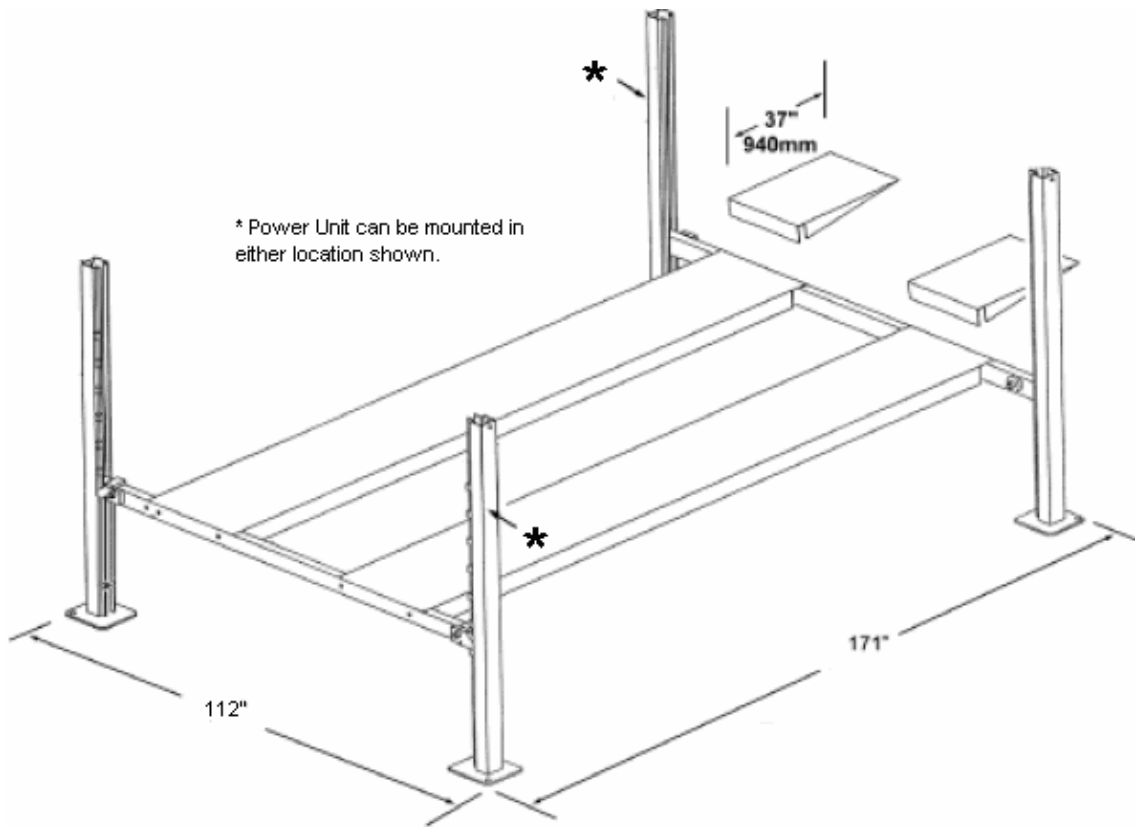
NOTE: All models **MUST** be installed on 3,000 PSI concrete only conforming to the minimum requirements shown above. New concrete must be adequately cured for at least 30 days.



LIFT ASSEMBLY
(fig. 2*)

ITEM	DESCRIPTION	QTY	ITEM	DESCRIPTION	QTY
1	Offside Ramp	(1)	26		
2	Cylinder Ramp	(1)	27		
3	Ramp Brackets	(2)	28		
4	Tire Stop (front)	(2)	29	Pulley Guard (l/h)	(2)
5	Tire Stop (rear)	(2)	30	Pulley Guard (r/h)	(2)
6	Ramp	(2)	31	1/2" Flat Washer	(16)
7	Column (right-rear)	(1)	32		
8	Column (right-front)	(2)	33	1/2" Nylon Nut	(12)
9	#7 Column Cap	(2)	34	1/2" x 1-1/2" Hex Bolt	(4)
10	#8 Column Cap	(2)	35	1/2" x 4" Hex Bolt	(8)
11	Cable, 256" x 3/8"	(1)	36	3/4" Nylon Nut	(4)
12	Cable, 312" x 3/8"	(1)	37	3/4" Flat Washers	(4)
13	Cable, 101" x 3/8"	(1)	38	5/16" x 3/4" Bolt	(4)
14	Cable, 157" x 3/8"	(1)	39		
15	1/4" Flat Washer	(4)	40		
16	Handle/Bent Lock Rod	(1)	41	5/16" Nylon nut	(4)
17	Knob	(1)	42	Column (main)	(1)
18	5/16" Threaded Rod (short)	(2)	43	1/4" Nylon Nut	(10)
19	5/16" Threaded Rod (long)	(2)	44	Long Linkage Rod	(1)
20	Eyebolt	(2)	45	Rod Connector	(1)
21	Eyebolt Pipe Spacer	(2)	46	1/2" Hex Nut	(2)
22	Power Unit (110v or 220v)	(1)	47	5/16" Jam Nut	(4)
23	Threaded Rod Eyelet Bearing	(8)	48		
24	Cross Rail	(2)	49		
25	1/4" x 1-1/2" Hex Bolt	(2)	50		

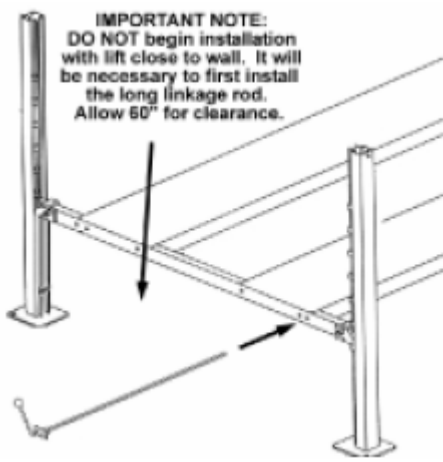
(*For Reference Only - Some Items May Come Already Assembled or May Have Changed in Design.)



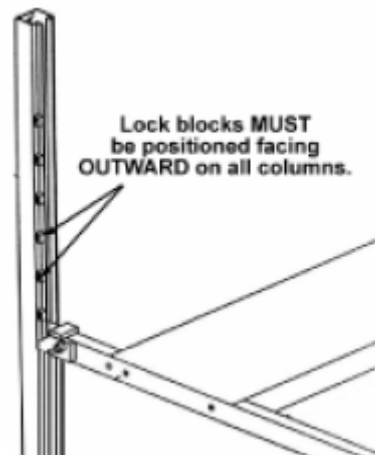
FLOORPLAN / LAYOUT
(fig. 3)

STEP 3
(Column & Cross Rail Assembly)

1. **DO NOT** begin installation with lift close to wall. It is necessary to leave adequate clearance for installing safety linkage rods. Allow 60" for clearance. (fig. 4)

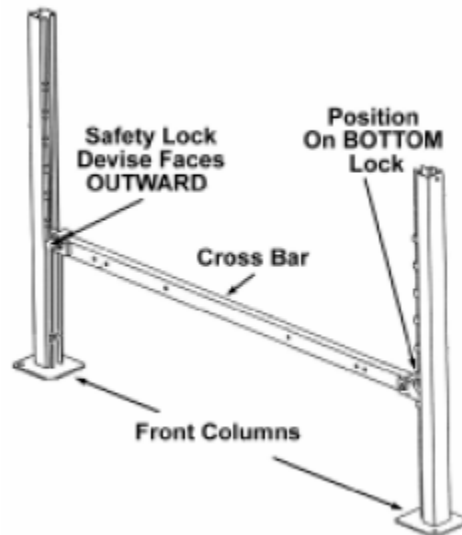


(fig. 4)



(fig. 5)

2. Make a chalk line on the floor following the layout shown above. (fig. 3)
3. Stand the columns in place making sure to position the power unit mounting bracket column at the correct location as indicated above (fig. 3) and with the lock blocks facing outward. (fig. 5)
4. Raise one of the cross rails (both rails are identical) and slide it into the two front columns making sure to position the locking mechanism OUTWARD and the cable pulleys INWARD. Manually clear the locking mechanism on each side of the cross rail and slide the cross rail down until it rests on the safety locking position closest to the floor. (see fig. 6)

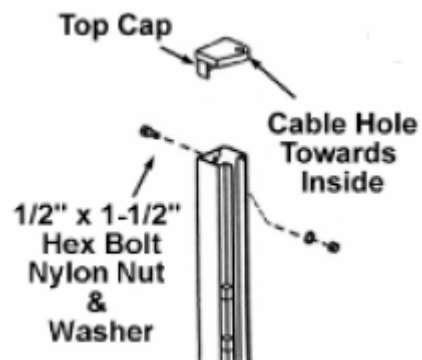


(fig. 6)

5. Repeat this process for the rear cross rail. You will then have the columns and cross rails in position and spaced properly for the runways.

CAUTION: Be very careful not to disturb the columns and cross rails at this time as they may tip over and cause personal injury or harm.

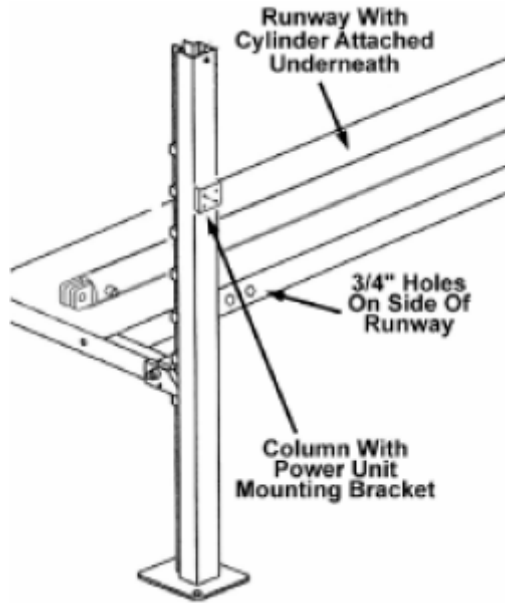
6. With the columns and cross rails in place, secure the column TOP CAPS using the 1/2" x 1-1/2" Hex Bolt, nylon nut & washer. Be sure to position the cable hole INWARD. (fig. 7)



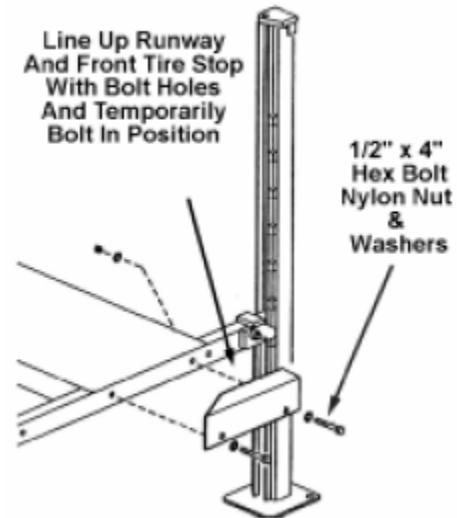
(fig. 7)

STEP 4
(Runway Installation)

1. Locate the runway with the cylinder attached underneath. This runway will be located adjacent the column with the power unit attached.
2. Position the 3/4" holes on the side of the runway near the power unit location. (see fig. 8)

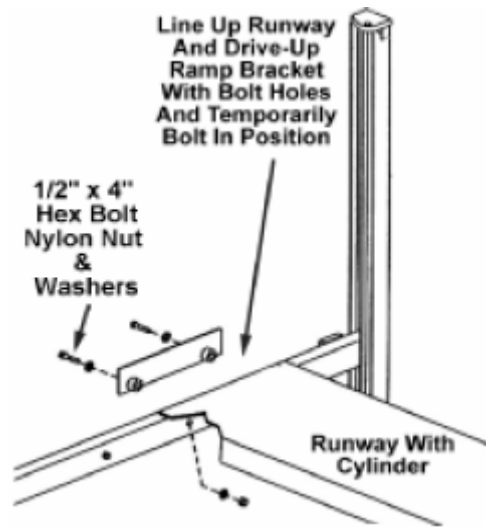


(fig. 8)



(fig. 9)

3. Line up the front of the cylinder runway with the cross rail bolt holes, then temporarily bolt into position using the 1/2" x 4" hex bolt, nylon nut and washers making sure to pass the bolts through the front tire stops. (fig. 9)
4. Line up the rear of the cylinder runway with the cross rail bolt holes, then temporarily bolt into position using the 1.2" x 4" hex bolt, nylon nut and washers making sure to pass the bolts through the drive-up ramp. (see fig. 10)



(fig. 10)

5. Position the runway without the cylinder on top of the cross rails and repeat steps 1 - 4. Leave the mounting bolts loose until installation is complete. After installation is completed, be sure to inspect and tighten all ramp bolts securely.

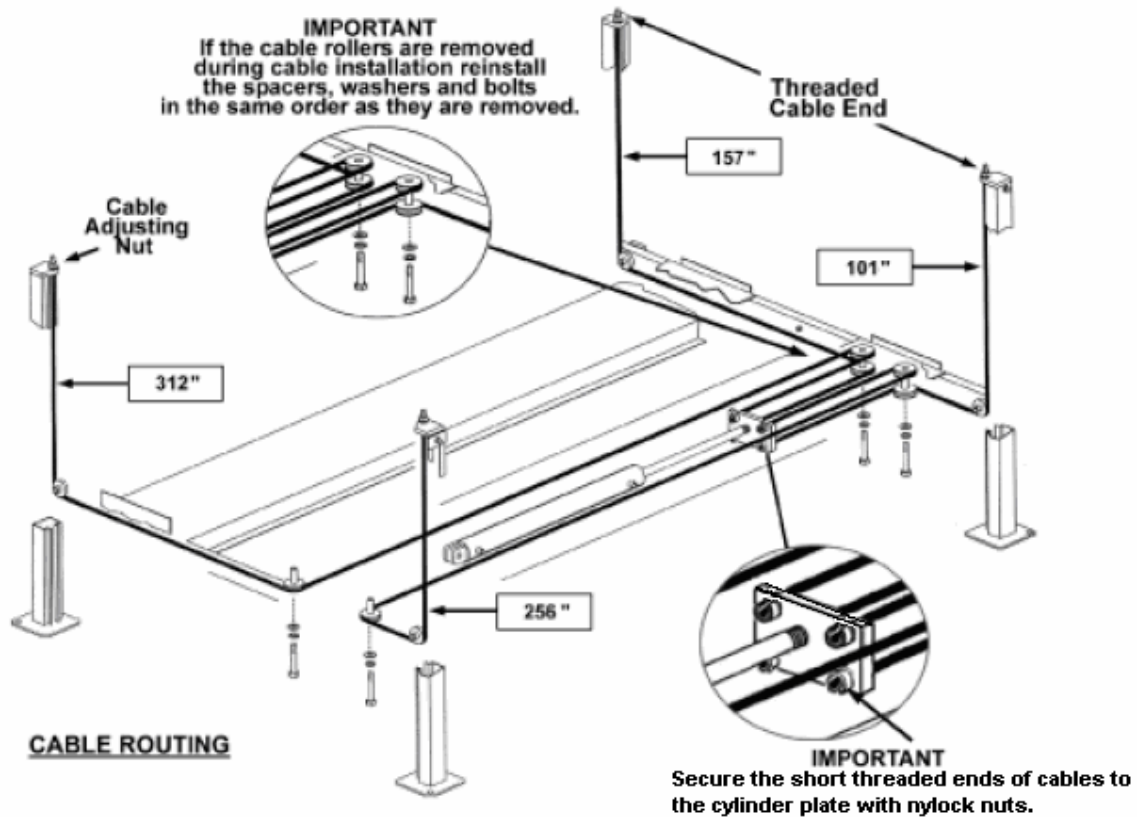
STEP 5
(Cable Installation)

IMPORTANT: Do not damage the chrome cylinder rod during this process. This can ruin the seals of the cylinder resulting in fluid leakage.

1. **Inspect cables to ensure proper lengths before installation.** All cables should have ID tags showing proper cable lengths.

2. In order to install cables it is necessary to first extend the hydraulic cylinder. Remove the cylinder port plugs, then use an air blow gun or come along to extend the cylinder.

3. Each cable has a long and short threaded end. **The short threaded end is secured to the cylinder plate.** Tighten nuts until 1" of thread passes through nylock. (If you remove the pulleys, spacers and bolts to install the cables, they must be re-installed in the same order as they are removed.) (fig. 11)



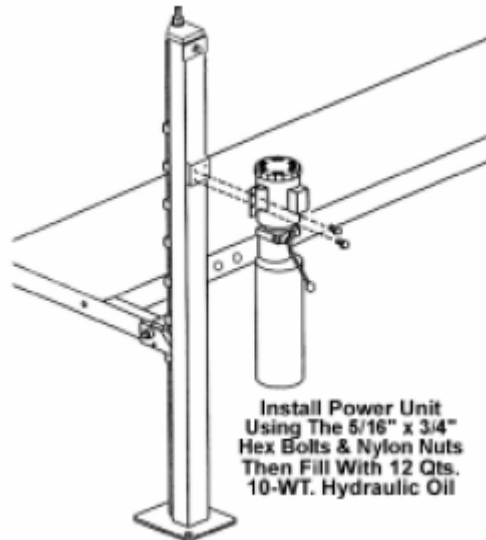
(fig. 11)

4. Long threaded end of cable secures to top plate on post.

STEP 6
(Power Unit Installation)

1. Mount the Power Unit to the mounting bracket using the 5/16" x 3/4" hex bolts and nylon nuts, then fill the reservoir with 12 quarts of **ISO-32** or **AW-32** 10-wt. Hydraulic Oil. (fig. 12)

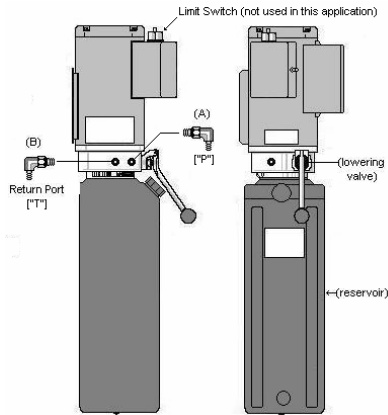
WARNING: DO NOT use Dexron ATF in this lift!



(fig. 12)

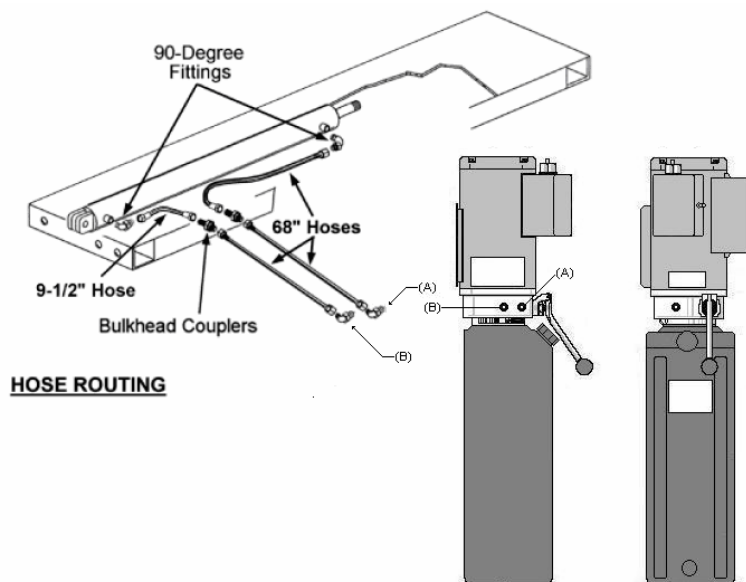
STEP 7
(Routing Hydraulic Hoses)
[**"DURO"** Power Units]

1. Install one "O-Ring" style elbow fitting (Pressure Port "A") and one "O-Ring" style elbow fitting (Return Port "B") on power unit as shown. (fig. 13a) TEFLON TAPE IS NOT NECESSARY.



(fig. 13a)

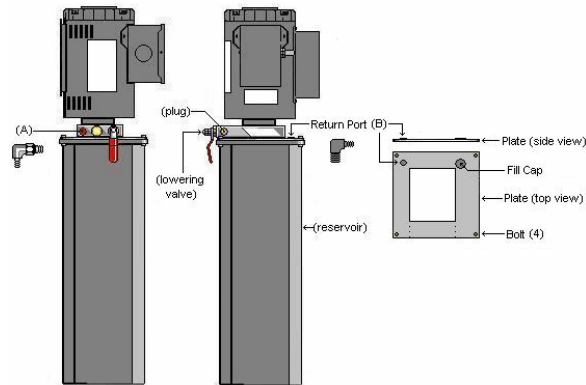
2. Install the two standard elbow fittings inside the cylinder runway at the back side of the bulkhead couplers, making sure to point the fittings toward the cylinder. On the pipe thread side of the fittings it is recommended that teflon tape be used. DO NOT use teflon tape on JIC flared end.
3. Install the two standard elbow fittings at the cylinder ports making sure to point the fittings toward the power unit. On the pipe thread side of the fittings it is recommended that teflon tape be used. DO NOT use teflon tape on JIC flared end.
4. Connect hydraulic hoses as shown below, making sure to first pass through the retaining rings located on the inside of the runway. MAKE SURE HOSES ARE KEPT CLEAR OF CABLES. (fig. 14a)



(fig. 14a)

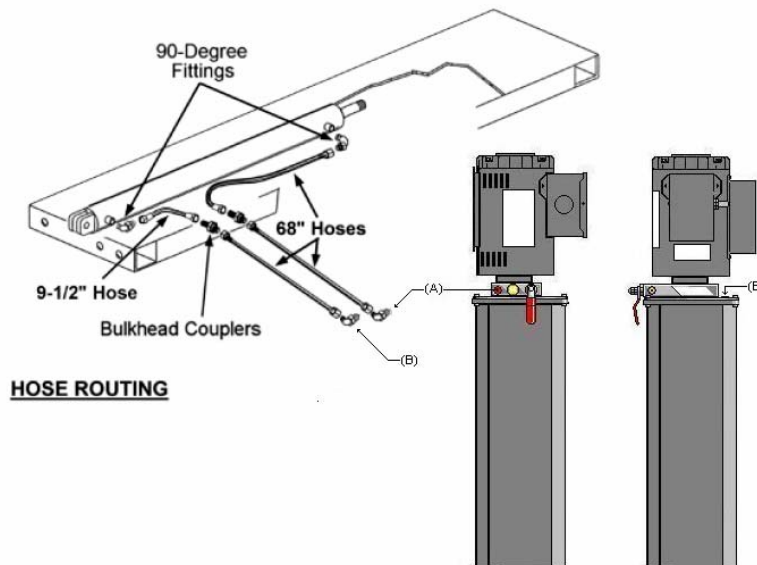
STEP 7-A
(Routing Hydraulic Hoses)
[Alternate: **Applied Energy** Power unit]

1. Install the one "O-Ring" style elbow fitting (Pressure Port "A") and one standard elbow fitting (Return Port "B") on power unit as shown. (fig. 13) **TEFLON TAPE IS NOT NECESSARY.**



(fig. 13)

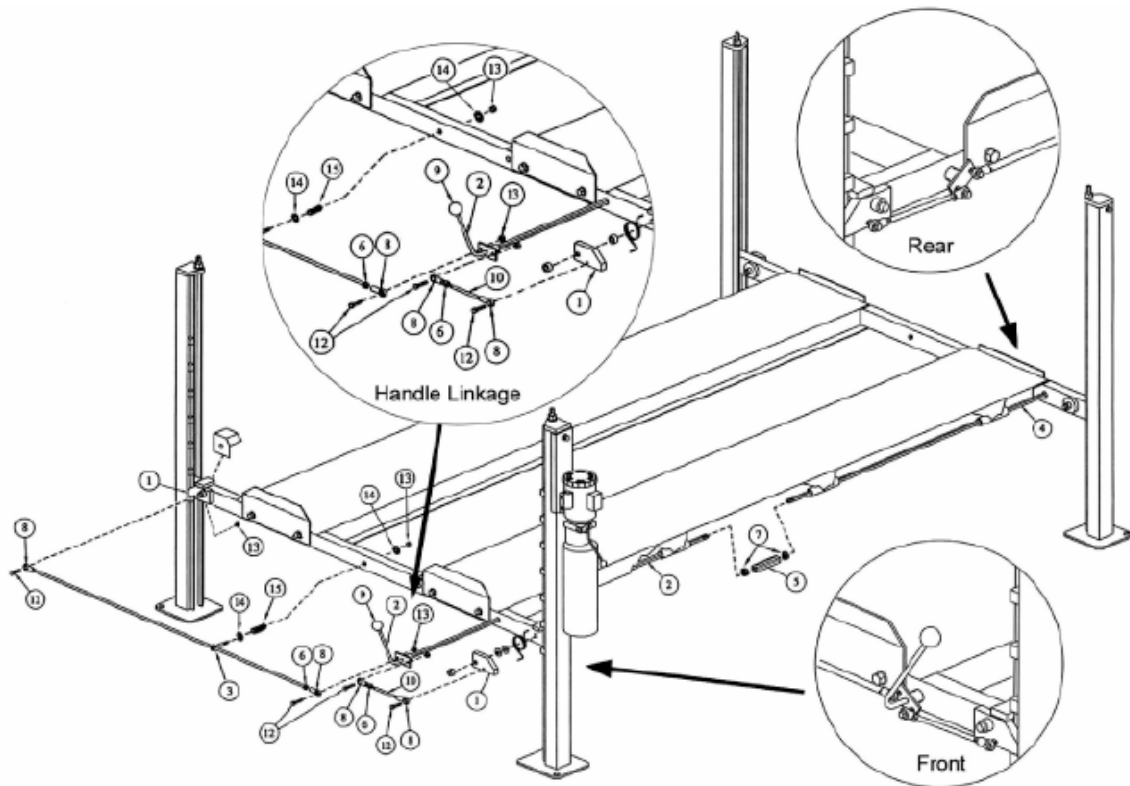
2. Install the two standard elbow fittings inside the cylinder runway at the back side of the bulkhead couplers, making sure to point the fittings toward the cylinder. On the pipe thread side of the fittings it is recommended that teflon tape be used. **DO NOT** use teflon tape on JIC flared end.
3. Install the two standard elbow fittings at the cylinder ports making sure to point the fittings toward the power unit. On the pipe thread side of the fittings it is recommended that teflon tape be used. **DO NOT** use teflon tape on JIC flared end.
4. Connect hydraulic hoses as shown below, making sure to first pass through the retaining rings located on the inside of the runway. **MAKE SURE HOSES ARE KEPT CLEAR OF CABLES.** (fig. 14)



(fig. 14)

STEP 8
(Safety Linkage Rod Assembly)

1. Install the linkage rods as shown below making sure to position the safety handle adjacent the power unit. Pay careful attention to assemble the FRONT and REAR linkage assemblies as shown. Improper assembly will result in safety lock failure. (fig. 15)



(fig. 15)

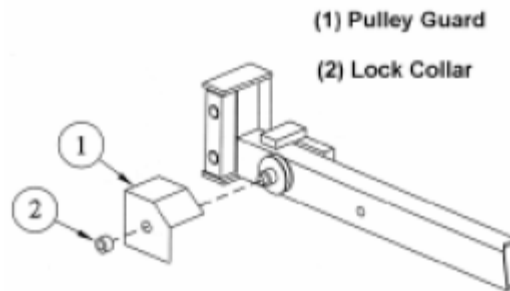
ITEM	DESCRIPTION	QTY	ITEM	DESCRIPTION	QTY
1	Lock	(4)	9	Knob	(1)
2	Handle/Bent Linkage Rod	(1)	10	5/16" Threaded Rod (short)	(2)
3	Eyebolt	(2)	11	5/16" threaded Rod (long)	(2)
4	Long Linkage Rod	(1)	12	1/4" x 1-1/2" Hex Bolt	(8)
5	Rod Connector	(1)	13	1/4" Nylon Nut	(2)
6	5/16" Jam Nut	(4)	14	1/4" Flat Washer	(10)
7	1/2" Hex Nut	(2)	15	Eyebolt Pipe Spacer	(2)
8	Threaded Rod Eyelet Bearing	(8)			

STEP 9
(Pulley Guard Assembly)

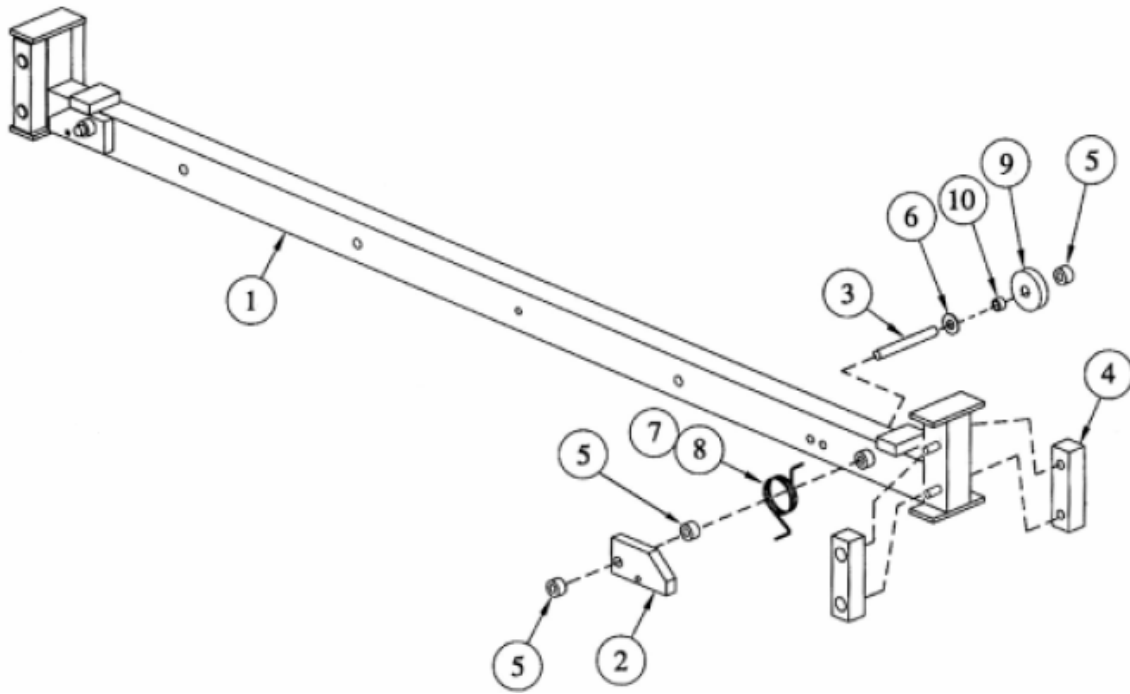
1. After the lift is installed, lightly oil the cable pulley shafts with lubricating oil or WD-40.
2. Before proceeding, double check to make sure the locking shaft collars for the cross rail cable pulleys are tightened securely.

WARNING: To prevent personal injury or death, **cross rail lock collars must remain tight** at all times. Before installing pulley guard covers, check to make sure the locking shaft collars are tightened securely.

3. Place the pulley guards (2 right and 2 left) over the shaft located on the pulley side of each cross rail.
4. Press the pulley guard firmly against the locking shaft collar already in place.
5. Place the additional lock collar on the outside of the shaft and tighten securely. (fig. 16)



(fig. 16)



(fig. 17)

CROSS RAIL ASSEMBLY

ITEM	DESCRIPTION	QTY	ITEM	DESCRIPTION	QTY
1	Cross Rail Tube	(1)	6	3/4" Flat Washer	(2)
2	Lock	(2)	7	Lock Spring (left)	(1)
3	Pulley Pin	(2)	8	Lock Spring (right)	(1)
4	Polyethylene Slide Block	(4)	9	Cable Pulley	(2)
5	Lock Collar	(6)	10	Pulley Bushing	(2)

STEP 10 (Start Up)

1. Make sure power unit reservoir is full with 12 quarts of 10-wt Hydraulic Oil.
2. Spray inside of the columns where the slide blocks glide with a light lubricant or WD-40.
3. Press the "UP" Switch on the power unit.
4. The lift will slowly raise.

IF LIFT DOES NOT RAISE:

- CHECK hose connections. Fluid should be pumping through the hose connected to the shaft side of the cylinder.
- CHECK fluid level.
- CHECK electrical connection.
- Contact factory.

5. Once the lift starts to raise, simultaneously press the lowering handle at the same time you are pressing the "UP" button. This will allow any air trapped in the cylinder and lines to escape and vent into the fluid reservoir.

6. Continue raising the lift slowly until all the slack in the cables is taken out. Raise the lift until the highest cross-rail safety lock is approximately 1" above the second welded lock block on that post.

7. Tighten the cable adjusting nut on top of each column until all remaining cross-rail safety locks are at the same 1" height relative to their respective posts. This will assure that the cables are adjusted evenly. At this time the lift should raise evenly (level) and all four safety locks should engage simultaneously.

Note: There will be some initial stretching of the cables in the beginning. It will be necessary to **readjust the cables a week after first use**, then **every six months** thereafter.

8. Run the lift up and down a few times to ensure that the locks are engaging uniformly and that the safety release mechanisms are functioning properly. Re-adjust if necessary. Verify lift raises to maximum height, and all four cross-rail locks clear post locks. If necessary, turn all four cable adjustment nuts equally until last locks are cleared.

CAUTION: PAY CAREFUL ATTENTION. **When lowering the lift, ALWAYS make sure that ALL FOUR LOCKS are disengaged.** If one of the locks inadvertently locks on descent the lift and/or vehicle may disrupt causing personal injury or death.

9. Install approach ramps on the entry side of the lift. Drive a vehicle onto the lift runways, then install rear wheel chocks. Run the lift up and down a few times to ensure that the locks are engaging uniformly and that the safety release mechanisms are functioning properly. Re-adjust if necessary.

10. After testing lift operation, place a vehicle be placed on the lift; raise and lower. This will allow the cable to stretch out under working tension. Remove the vehicle and recheck cable tensions.

IMPORTANT INSTRUCTIONS PLEASE READ

OPERATION

1. Position vehicle tires in the center of each ramp.
2. Set parking brake or use wheel chocks to hold vehicle in position.
3. Before raising vehicle, be sure all personnel are clear of the lift. Pay careful attention to any overhead obstructions.
4. Raise vehicle to the desired working height.
5. Lower lift onto nearest safety lock to support load.
6. Do not permit the cables to go slack.

TO LOWER THE LIFT

1. First, raise the lift to clear all the safety locks.
2. Disengage safety locks.
3. Push the lowering handle and hold until the lift has descended completely.
4. If the lift is shaking, vibrating or swaying, reduce the descending speed.

WEEKLY MAINTENANCE

1. Lubricate all rollers with general purpose lubricating oil.
2. Check all connections, bolts, and pins to ensure proper mounting.
3. Lubricate primary safety pivot pin with general purpose lubricating oil
4. Adjust all cable tensions after first week. (Check every six months thereafter.)

MONTHLY MAINTENANCE

1. Check safeties, making sure they are in good operating condition.
2. If mounted: inspect all anchor bolts and tighten as necessary.
3. Make a visual inspection of all moving parts for wear.
If worn parts are evident DO NOT USE LIFT.
Replace all worn parts before lift is put back into operation.

!!!WARNING!!!

1. If any component of the lift is found to be defective, DO NOT USE LIFT!
2. Never operate the lift with any person or equipment below.
3. Always stand clear of lift when raising or lowering.
4. Never exceed rated capacity.
5. Always ensure safeties are engaged before any attempt is made to work on or near vehicle.
6. Never leave lift in an elevated position unless it is settled firmly upon the safety locks.



Eagle Global Series Lift Warranty

Eagle Equipment warrants to the original retail purchaser of an Eagle Global Lift that it will replace without charge any part of an Eagle Global Lift found under normal use, in the United States or Canada, to be defective in materials or workmanship, **for a period of one (1) year from date of purchase**. Warranty covers parts only; purchaser is responsible for any and all labor requirements.

Exclusions

This warranty will not apply to any lift:

1. Which has not been operated or maintained according to specifications
2. Which has been abused, misused altered or improperly maintained
3. Which has been improperly installed

Other limitations

This warranty does not cover:

1. Parts needed for normal maintenance
2. Wear parts, which include but are not limited to, cables, hoses, slider blocks, chains and rubber pads
3. On-site labor

Eagle Equipment reserves the right to make improvements and/or design changes to its lifts without any obligation to previously sold, assembled or fabricated equipment.

There is no other express warranty on the Eagle Global Lift and this warranty is exclusive of and in lieu of all other warranties, expressed or implied, including all warranties of merchantability and fitness for a particular purpose.

To the fullest extent allowed by law, Eagle Equipment shall not be liable for loss of use, inconvenience, lost time, commercial loss or other incidental or consequential damages

Some States do not allow exclusion or limitation of consequential damages or how long an implied warranty lasts, so that the above limitations and exclusions may not apply. This warranty gives you specific legal rights and you may have other rights, which may vary from State to State.