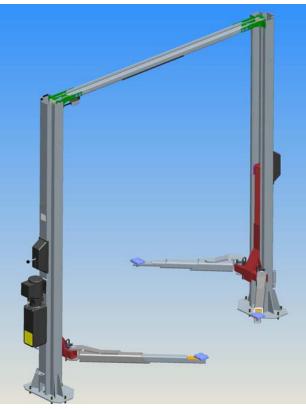


INSTALLATION and OPERATION MANUAL



10K 2N1 2 POST S21NS 🗌 🗌 - R/B/M,1/3

READ and SAVE THIS INSTRUCTION MANUAL



OCT 2006

6-2670

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1.0 SAFETY AND OPERATING INSTRUCTIONS

- 1. When using this lift, basic safety precautions should always be followed, including the following.
- 2. Read all instructions in this manual and on the lift.
- 3. Inspect lift daily. Do not operate if it malfunctions or problems have been encountered.
- 4. Never attempt to overload the lift. The manufacturer's rated capacity is shown on the identification label on the power side column. Do not override the operating controls or the warranty will be void.
- 5. Before driving vehicle between the towers, position the arms to the drivethrough position to ensure unobstructed clearance. Do not hit or run over arms as this could damage the lift and/or vehicle.
- 6. Only trained and authorized personnel should operate the lift. Do not allow customers or bystanders to operate the lift or be in the lift area.
- 7. Position the lift support pads to contact the vehicle manufacturers recommended lifting points. Raise the lift until the pads contact the vehicle. Check pads for secure contact with the vehicle. Check all arm restraints and insure they are properly engaged. Raise the lift to the desired working height.
- 8. Some pickup trucks may require an optional truck adapter to clear running boards or other accessories.
- 9. NOTE: Always use all 4 arms to raise and support vehicle.
- 10. Caution! Never work under the lift unless the mechanical safety locks are engaged.
- 11. Note that the removal or installation of some vehicle parts may cause a critical load shift in the center of gravity and may cause the vehicle to become unstable. Refer to the vehicle manufacturer's service manual for recommended procedures.
- 12. Always keep the lift area free of obstruction and debris. Grease and oil spills should always be cleaned up immediately.
- 13. Never raise vehicle with passengers inside.
- 14. Before lowering check area for any obstructions.
- 15. Before removing the vehicle from the lift area, position the arms to the drivethru position to prevent damage to the lift and or vehicle.

2.0 SPECIFICATIONS

Capacity: Overall Width: Width Between Columns: Drive-Thru Width: Overall Height: Under bar Clearance: Height to Lowered Lift Pads Height to Lift Pad (3" Adapter): Height to Lift Pad (6" Adapter): Front Arm Retracted Length: Front Arm Retracted Length: Rear Arm Retracted Length: Rear Arm Extended Length: Rear Arm Extended Length: Maximum Lifting Height (6" Adapter): Lift Time:

Power Requirements (Standard):

10000 lbs.	4500 kg		
148"	3759 mm		
120"	3048 mm		
98 ³ ⁄4"	2508 mm		
144"	3658 mm		
140"	3556 mm		
4 1⁄2"	114 mm		
7 1⁄2"	191 mm		
10 ½"	267 mm		
23 1⁄2"	622 mm		
44 1⁄2"	1130 mm		
36 1⁄2"	836 mm		
57 1⁄2"	1454 mm		
79 ¼"	2013 mm		
45 seconds			
230 Volts AC, 1 Ph., 60 Hz.			

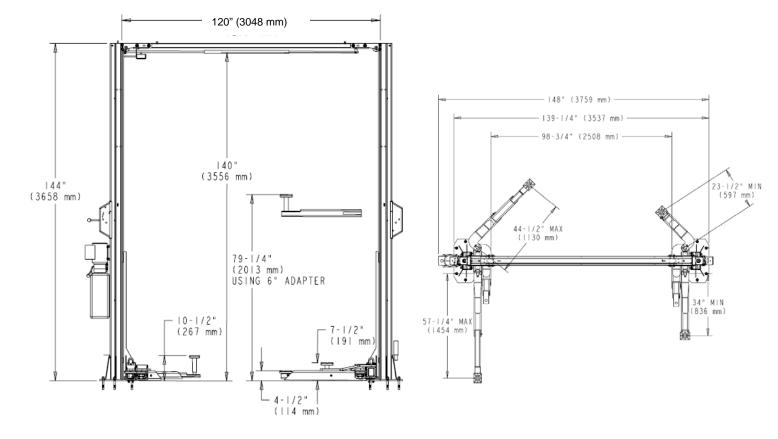


Figure 1 - Front View

Figure 2 - Top View

3.0 PACKING LIST

The complete lift is contained in two (2) packages:

- 1. The main structural components are packed in a steel frame.
- 2. The remaining parts are packed in an **accessory box**.

3.1 Main Structural Components

- 1pc. Power side tower and carriage assembly
- 1pc. Slave side tower and carriage assembly
- 1pc. Crossmember
- 1pc. Actuator Bar w/ foam

3.2 Accessory Box

- 4pcs. Locking Arm Assembly w/arm pins
- 2pcs. Safety Covers w/Decals
- 1pc. Hardware Package w/Packing List
- 1pc. Actuator Extension
- 1pc. Actuator Mounting Bracket
- 1pc. Power Pack
- 4pc. Arm Restraint
- 1pc. Safety Release Cable
- 1pc. Hydraulic Hose (Long)
- 1pc. Hydraulic Hose (Short)
- 2pcs. Equalizing Cable w/Hex Nuts
- 1pc. ALI manual "Lifting It Right"
- 1pc. Automotive Lift Safety Tips
- 1pc. Automotive Lift, Operation, Inspection and Maintenance manual
- 1pc. "ALI" Quick Reference Guide
- 1pc. Owner's manual
- 1pc. Safety Shut-off Microswitch Assembly (Components)

4.0 INSTALLATION REQUIREMENTS AND TOOLS

IMPORTANT: It is the user's responsibility to provide a satisfactory installation area for the lift. Lifts should only be installed on level concrete floors with a minimum thickness of five (5) inches or 130 mm. Concrete must have a minimum strength of 4000 psi or 30 MPa and should be aged thirty (30) days prior to installation. Please consult the architect, contractor or engineer if doubt exists as to the strength and feasibility of the floor to enable proper lift installation and operation.

It is the user's responsibility to provide all wiring for electrical hook-up prior to installation and to insure that the electrical installation conforms to local building codes. Where required, it is the user's responsibility to provide an electrical isolation switch located in close proximity to the lift that will enable emergency stop capability and isolate electrical power from the lift for any servicing requirements.

- a. 16ft. Measuring Tape
- b. Chalk Line
- c. Rotary Hammer Drill
- d. 3/4" diameter Masonry Drill Bit
- e. Hammer
- f. SAE Wrenches and Ratchet Set
- g. 2ft. Level
- h. 4ft. Level
- i. Crow Bar
- j. 12ft. Step Ladder
- k. Side Cutters
- I. Screwdrivers
- m. 4" x 4" Wooden Blocks (for unpacking)

5.0 INSTALLATION INSTRUCTIONS

When the lift arrives on site:

- Read the owner's manual and make sure the installation instructions are fully understood.
- Check for any freight damages.
- Check the contents of the accessory and hardware boxes to make sure no parts are missing.
- Gather all the tools listed above.

5.1 UNPACKING PROCEDURE

- 5.1.1 Important! Place the main structural components on wooden blocks so that the steel shipping frames can be removed.
- 5.1.2 Remove the plastic wrapping.
- 5.1.3 Remove the crossmember, and the actuator bar.
- 5.1.4 Unbolt the steel shipping frames.
- 5.1.5 Lay each tower on the floor with the carriage side up.
- 5.1.6 Check the installation area for obstructions. (Lights, Heating Ducts, Ceiling, Floor Drains, etc.)

5.2 BAY LAYOUT

- 5.2.1 Prepare the bay by selecting the location of the lift relative to the walls.
- 5.2.2 Clear the installation area of all packaging materials to avoid trip hazards.
- 5.2.3 Measure midpoint of door.
- 5.2.4 Using measuring tape scribe two arcs, equal distance from the midpoint.
- 5.2.5 The centerline of the lift occurs between the intersection of the arcs and the midpoint of the door.

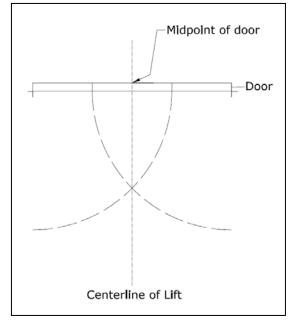


Figure 3. Chalk line

- 5.2.6 Measure the specified distance (126") to draw a second chalk line at 90° for locating the lift towers. Refer to Figure 3.
- 5.2.7 The lift is centered between the door and the walls of the area.

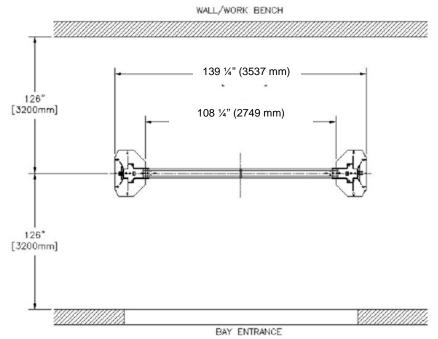
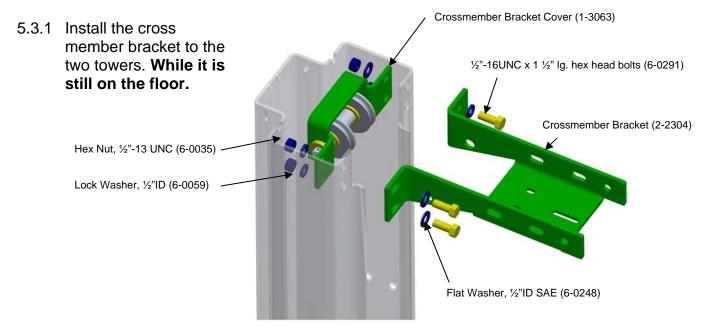
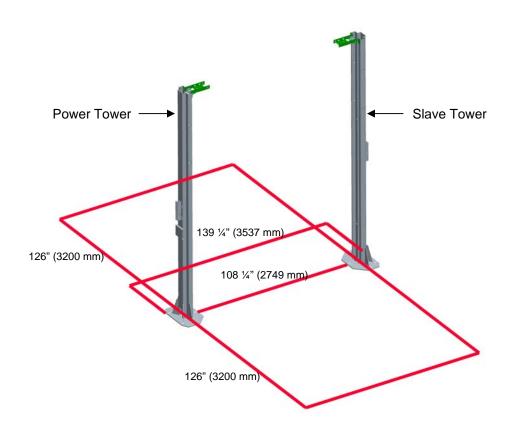


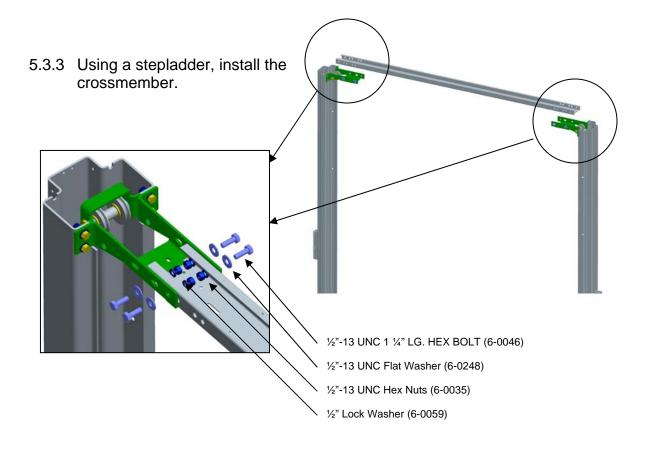
Figure 4. Bay Layout

5.3 CROSSMEMBER INSTALLATION



5.3.2 Stand towers in the position shown.

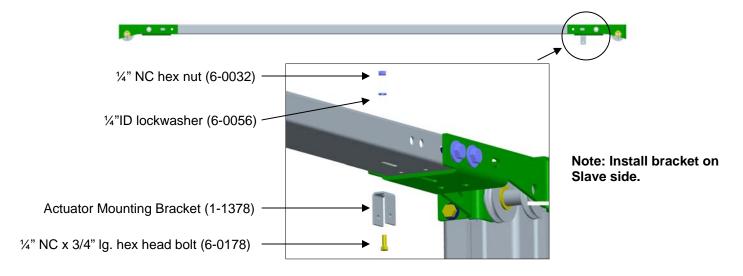


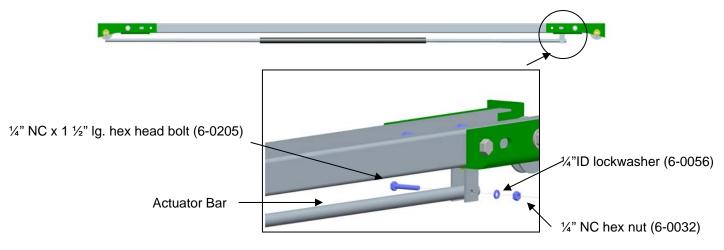


5.4 SAFETY SHUT-OFF BAR INSTALLATION

The safety shut off will disconnect the power to the power pack when an obstruction touches the padded bar or the carriages reach their maximum height. The safety shut off switch is factory pre-wired.

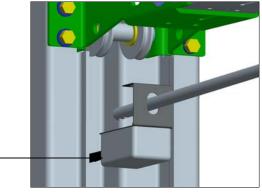
5.4.1 Attach the Actuator Mounting Bracket (1-1378) to the crossmember





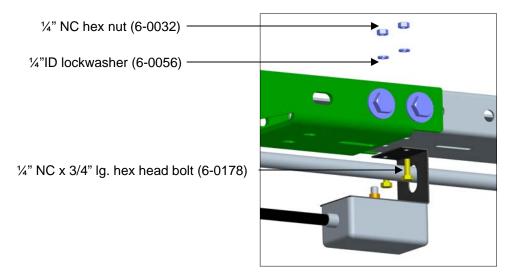
5.4.2 Attach the Actuator Bar to the Actuator Mounting Bracket.

5.4.3 Slide Safety Shut-Off Microswitch Assembly over the open end of actuator bar.



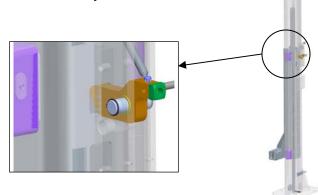
Microswitch Assembly

Bolt the assembly to the crossmember.



5.5 ROUTING OF EQUALIZATION CABLE

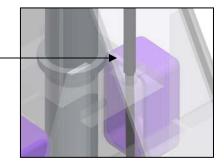
5.5.1 Manually lift the carriages to the first safety latch.



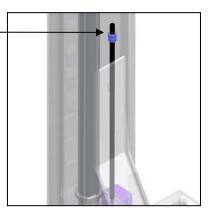
5.5.2 Remove equalizing cables (1-1786) from the accessory kit box, and 8 ½"- 13UNC nuts from a polybag in the hardware kit box.

5.5.3

Insert the short threaded stud through the 9/16"dia. hole at the bottom of the carriage.



Pass the cable until it reaches the top opening. Tighten a ½"-13UNC nut to the center of the stud, and then **firmly tighten** a second nut up against it using two wrenches.



5.5.4 Pull the cable back down on to the carriage bottom plate.



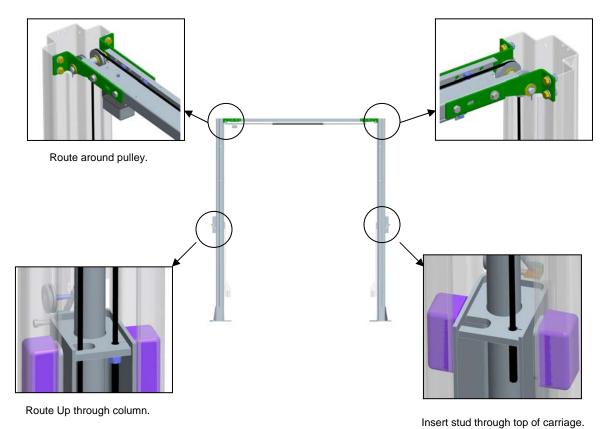
5.5.5 At the bottom of the column, remove the hitch pin, pulley pin and pulley from the base plate.



5.5.6 Route equalizing cable around pulley and reassemble the pulley to the base plate. IMPORTANT – Hitch pin must be installed securely.



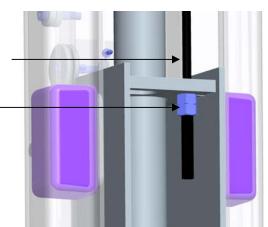
5.5.7 Route Cable as shown.



5.5.8

Use a wrench to hold the top of the threaded stud to prevent it from rotating.

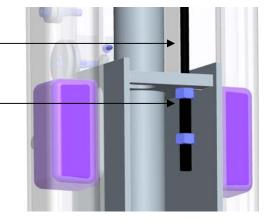
Hand tighten (2) ½"-13 UNC nuts onto the threaded stud enough to remove all visible cable slack



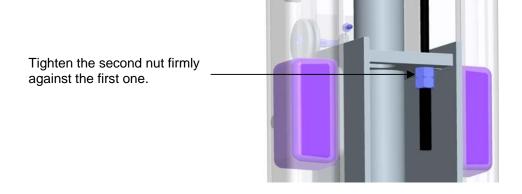
5.5.9

Hold the top of the threaded stud using wrench.

Tighten the first nut approximately 1 $\frac{1}{2}$ "-to tension cable.



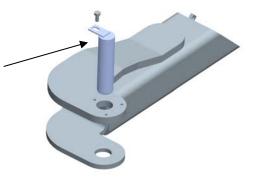
5.5.10



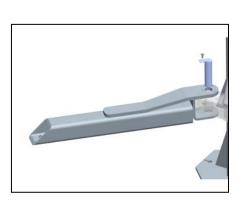
5.5.11 Repeat steps for other cable.

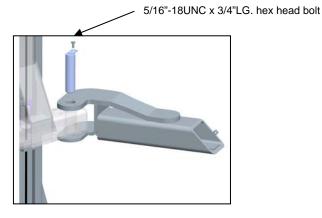
5.6 ARM INSTALLATION

- 5.6.1 Remove the Arm Pins from all four Arms.
- 5/16"-18UNC x 3/4"LG. hex head bolt (6-0423)



5.6.2 Install the four arms on the carriages by inserting the arm pins.





5.6.3 Install Arm Restraint Gear.



Orientation of Gears.

5.7 ARM RESTRAINT INSTALLATION

5.7.1

Insert arm lock handle weldment (1-2914) through holes in carriage weldment. Loosen the two 5/16" hex bolts-

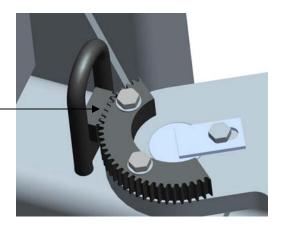
5.7.2

Adjust arm restraint gear so that lock engages smoothly through entire range of arm motion. **Tighten both 5/16 hex bolts**.

5.7.3 Repeat above steps for all arms.

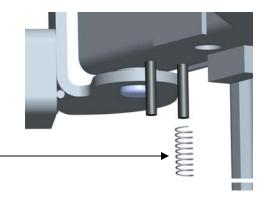
5.7.4 Lift arms approximately 30" off the ground



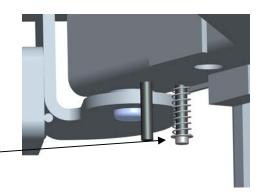




5.7.5 Slide arm lock spring over outboard leg of arm lock handle (leg which is nearest tower).



5.7.6 Hammer a spring retainer cap to the end of the arm lock leg.



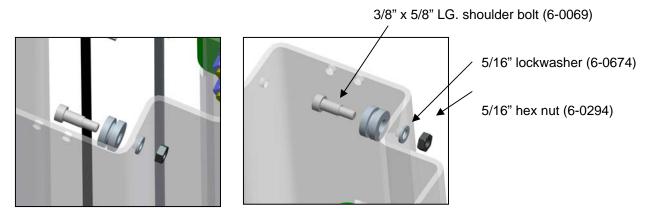
Spring Retainer Cap (6-3086)

Arm Lock Spring (1-2942) -

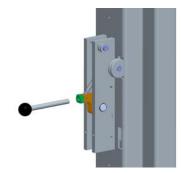
5.8 SAFETY RELEASE CABLE ROUTING AND ADJUSTMENT

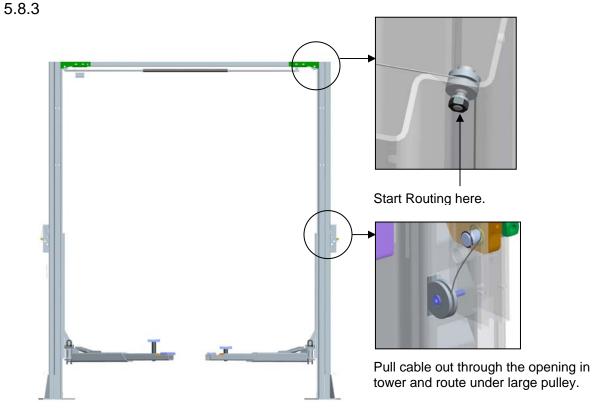
The mechanical safety automatically engages. To release the mechanical safety, you must first raise the lift approximately 2", then pull the safety release lever down. This disengages the power side safety dog and activates the safety cable to release the slave side safety dog.

5.8.1 Install the safety pulley on each tower.



5.8.2 Install the safety release handle (1-1113) onto the power side safety dog.

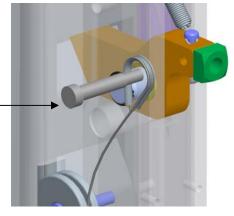


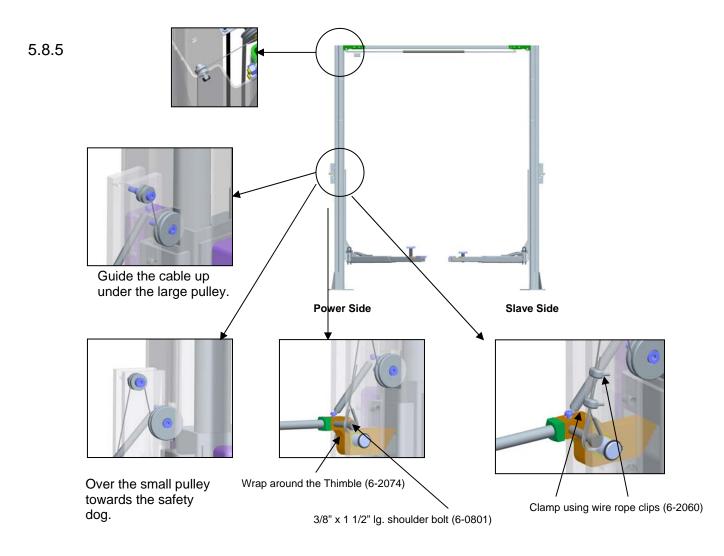


Power Side

Slave Side

- 5.8.4 Fix the collar of the safety release cable to the shoulder bolt on the safety dog.
 - **NOTE:** Make sure shoulder bolt, 3/8" dia. x 1 $\frac{1}{2}$ " lg. (6-0801), is lock tight to safety dog.





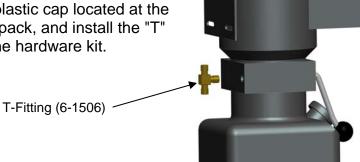
Do not tighten fully at this stage.

5.8.6 Adjust the cable length so that both safety dogs travel from full engagement position to full release position when the safety release handle is pulled.

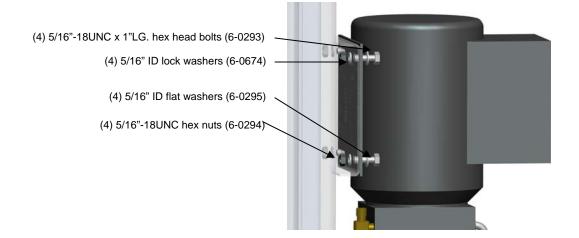
Tighten both wire rope clips firmly when adjustment is completed.

5.9 POWER PACK INSTALLATION

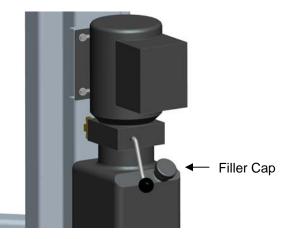
5.9.1 Remove the **red** plastic cap located at the rear of the power pack, and install the "T" fitting located in the hardware kit.



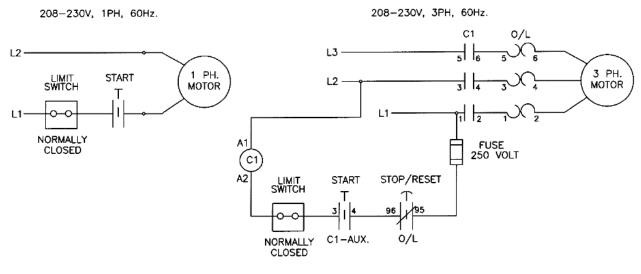
5.9.2 Bolt power pack to the mounting bracket on the power side tower using hardware from the kit. Do not tighten.



5.9.3 Remove the filler cap from the powerpack and fill the reservoir with approximately 4.5 Gal. (18L) of ISO32 hydraulic oil (10 wt. hydraulic oil).



5.9.4 A certified electrician must connect the 230Volt/1Ph power to the motor.



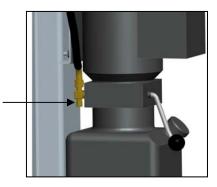


5.10 HYDRAULIC SYSTEM INSTALLATION

5.10.1 Connect long hose to the top port on "T" fitting.

45° End of Long Hose (2-1486)

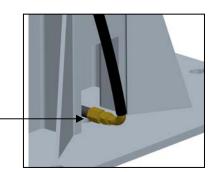
45° End of Short Hose (2-1230)



5.10.2 Connect short hose to the other end of the "T" fitting.

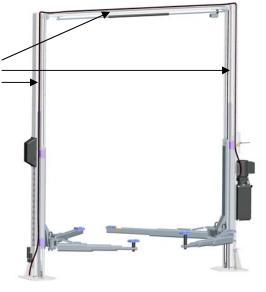
5.10.3 Remove the plastic cap from the bottom of the power side cylinder and connect the short hose to the cylinder.

90° End of Hose-



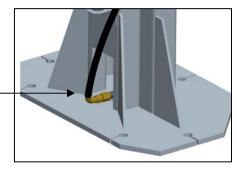
5.10.4

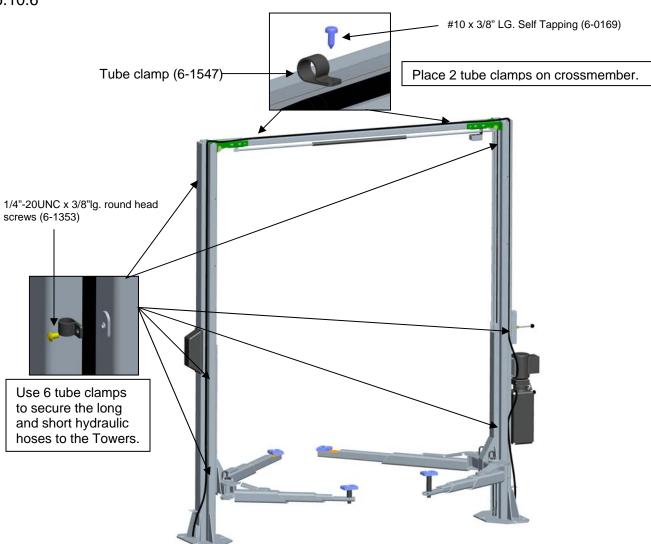
Loop the hydraulic hose up the power side tower, across the overhead and down the slave side tower.



5.10.5 Remove the plastic cap from the bottom of the slave side cylinder and connect the long hose to the cylinder.

90° End of Hose-





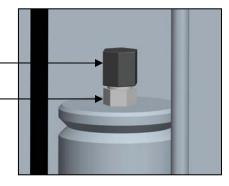
5.11 HYDRAULIC SYSTEM BLEEDING

5.11.1 Crack the caps located at the top of both cylinders.

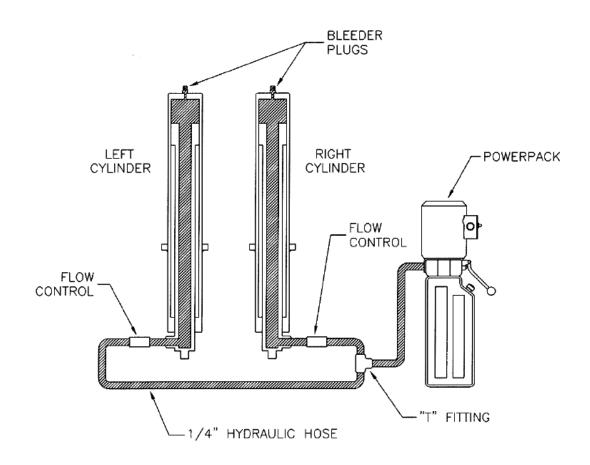
1⁄4" JIC Cap (6-1884)

1/8" NPT to ¼" NPT (6-0280)

5.11.2 Power up 2"-3". You should hear air escaping around the caps. Repeat 3 - 4 times or until only oil is coming out of the caps.



5.11.3 Tighten the caps and lower the lift.



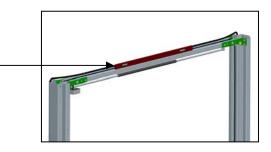
5.12 TOWER POSITIONING AND ANCHORING

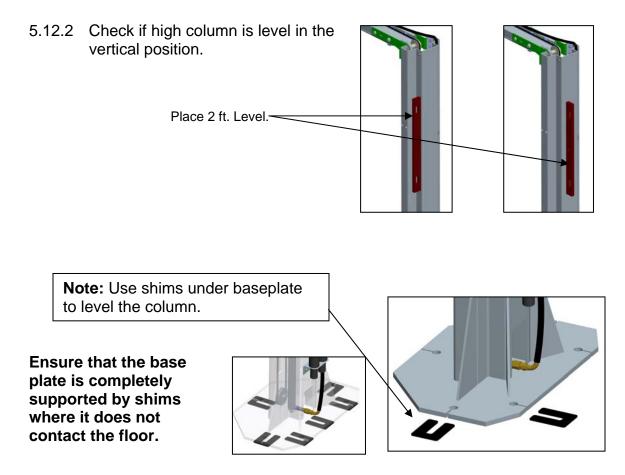
WARNING! Failure to follow these instructions may cause an unsafe operating condition.

WARNING! Before proceeding with installation, review Section 4: Installation & Tools.

5.12.1 Determine which column is higher using a 4ft level.

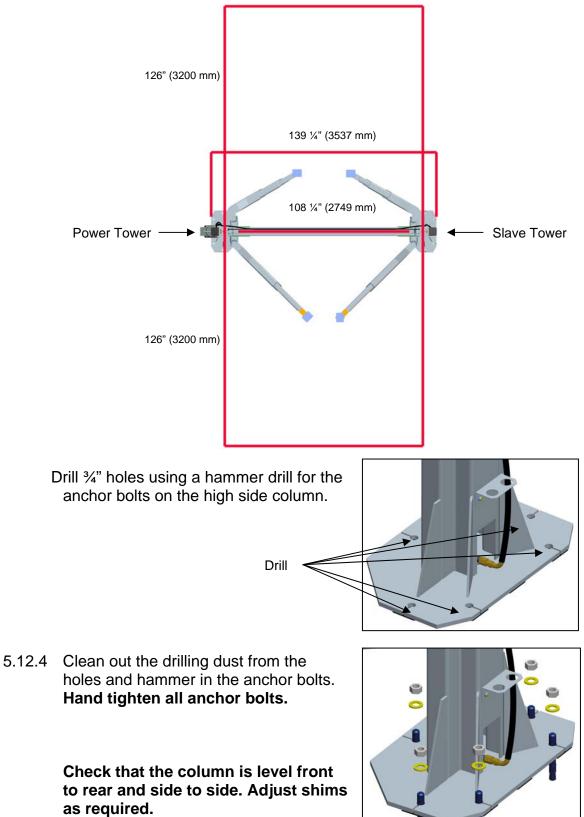
Place 4 ft. Level.-



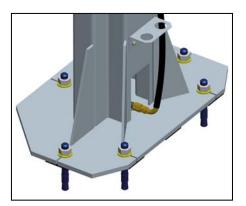


WARNING! Do not use more than ½" (13mm) of shims. Anchor bolts supplied allow for a maximum of ½" (13mm) of shim. If more than ½" (13mm) of shims are required, DO NOT proceed with installation and contact Product Manufacturer / Supplier for further details.

5.12.3 Refer to Bay Layout to ensure that the column is still in the proper position.

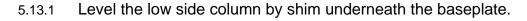


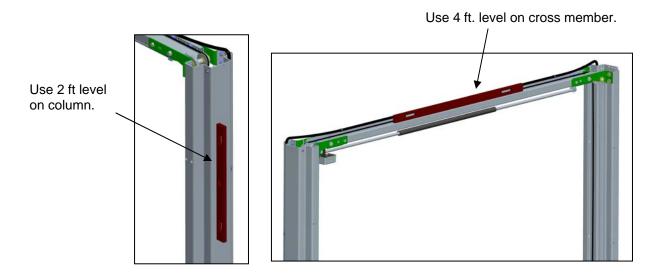
5.12.5 **Torque all anchor bolts to 150 ft-lbs.** (203 Nm), continually checking that the column is level as you proceed.



If anchor bolts do not tighten to 150 ft-lbs. OR project more than 1 ¾" above the concrete surface, the concrete MUST be replaced by an appropriate concrete pad. (Consult Product Manufacturer / Supplier for further details).

5.13 POSITION AND ANCHORING OF REMAINING TOWER





Ensure that the baseplate is completely supported by shims where it does not contact the floor.

WARNING! Do not use more than ½" (13mm) of shims. Anchor bolts supplied allow for a maximum of ½" (13mm) of shim. If more than ½" (13mm) of shims are required, DO NOT proceed with installation and contact Product Manufacturer / Supplier for further details.

5.13.2 Refer to Bay Layout above to ensure that the column is still in the proper position.

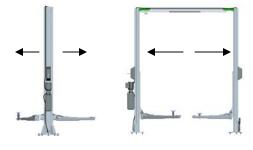
5.13.3 Clean out the drilling dust from the holes and hammer in the anchor bolts. **Hand tighten all anchor bolts.**

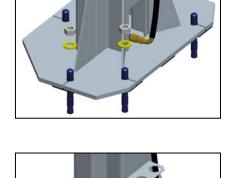
> Check that the column is level front to rear and side to side. Adjust shims as required.

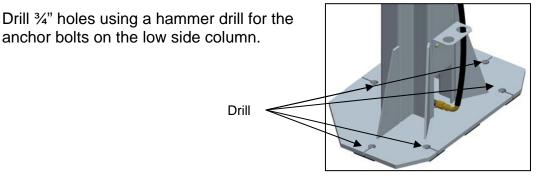
5.13.4 **Torque all anchor bolts to 150 ft-lbs.** (203 Nm), continually checking that the column is level as you proceed.

If anchor bolts do not tighten to 150 ft-lbs. OR project more than 1 ¾" above the concrete surface, the concrete MUST be replaced by an appropriate concrete pad. (Consult Product Manufacturer / Supplier for further details).

5.13.5 Verify that the entire lift is level both horizontally and vertically to ensure optimum lifting performance. **NOTE: Perform a monthly inspection and torque all anchor bolts to 150 ft-lbs. (203 Nm).**







2

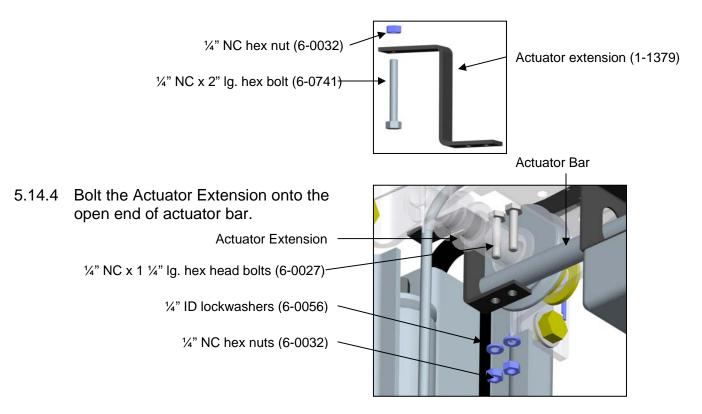
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5.14 SAFETY SHUT-OFF BAR ADJUSTMENT

5.14.1 When the lift is fully installed, leveled and operational, extend the carriages to their full upper limit.

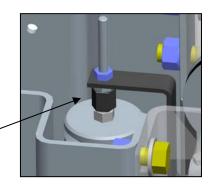


- 5.14.2 Lower the carriages about $\frac{1}{4}$ " to $\frac{1}{2}$ ".
- 5.14.3 Attach a ¼ bolt and nut to actuator extension.



5.14.5 Adjust the ¼" NC x 2" lg. hex bolt so that the end of the bolt is in contact with the carriage. Tighten the ¼" NC hex nut on the bolt.

Hex bolt in Contact with Carriage.



6.0 LIFT MAINTENANCE GUIDELINES

6.1 SAFETY INSTRUCTIONS

Read operating and safety manuals before using any lift. Do not operate a lift that has been damaged or is in disrepair. Proper inspection and maintenance is necessary for safe operation.

6.2 PERIODIC MAINTENANCE

DAILY:

- 1. Check all hydraulic lines and fittings for pinch points , damage , cracks or leaks
- 2. Check all electrical wiring for pinch points , cracks or damage
- 3. Check all moving parts for uneven or excessive wear
- 4. Repair or replace all damaged, defective, worn or broken components immediately.
- 5. Check the telescopic arms for movement. Clean any grease or oil from the lifting adapters.
- 6. Raise and lower the lift at the beginning of each shift, without a vehicle on, to verify the lift is leveled and operating properly.

WEEKLY:

1. Check and adjust hydraulic level

EVERY TWO MONTHS:

- 1. Clean and re-grease slide block channels inside of both columns
- 2. Grease arm pins
- 3. Lubricate safety dogs and check safety release cable adjustment
- 4. Check arm restraints and lubricate
- 5. Check anchor bolts and re-torque if required

EVERY FOUR MONTHS:

- 1. Dismantle and clean inner arms
- 2. Lubricate cable pulleys
- 3. Check equalizing cable adjustment

EVERY YEAR:

1. Inspect lift as per Automotive Lift Operation, Inspection and Maintenance (ALOIM)

EVERY TWO YEARS:

1. Change hydraulic fluid

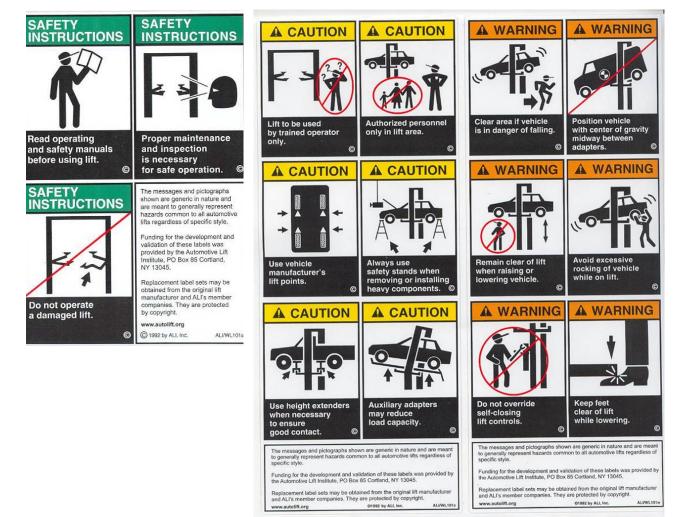
LUBRICATION:

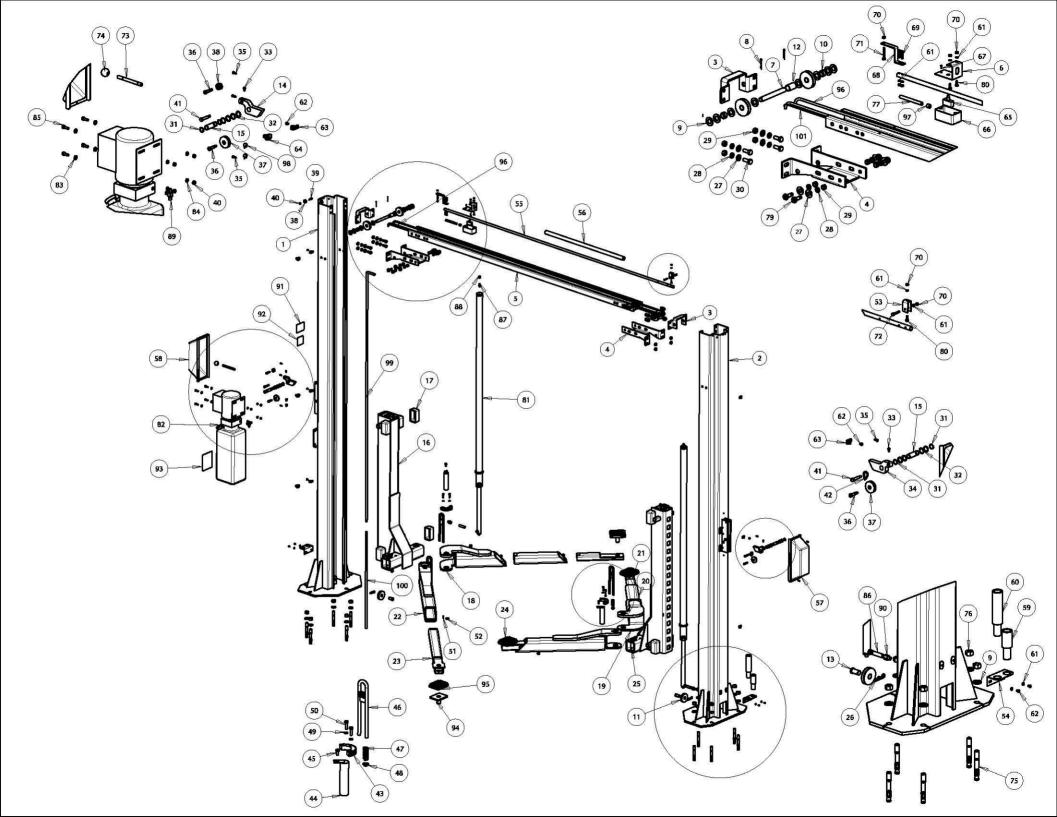
Where grease is required > multi-purpose lithium grease Where lubricating oil is required > multi-purpose SAE 30 lubricating oil Where hydraulic oil is required > ISO 32 10W - non detergent hydraulic oil

NOTE: If the lift locks, while in the fully raised position this will indicate that the hydraulic system has not been inspected or maintained as recommended. This is a safety back-up system. If you are unclear call your local representative immediately.

7.0 SAFETY AWARENESS

AUTOMOTIVE LIFT INSTITUTE (ALI)

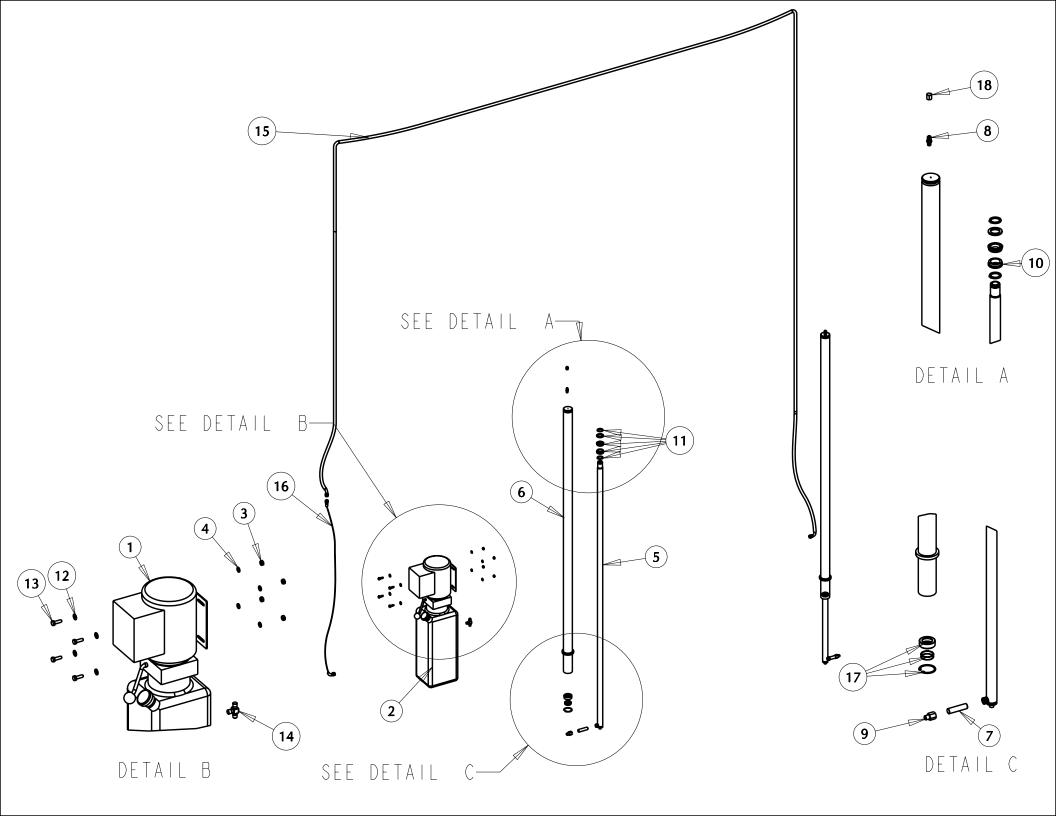




8.0 Parts List

Item#	Part #	Description	Qty.
1	4-1012	Tower Weldment, Power Side	1
2	4-1013	Tower Weldment, Slave Side	1
3	1-3063	Crossmember Bracket Cover	2
4	2-2304	Symmetric Crossmember Brkt	2
5	2-2323	Crossmember	1
6	2-1143	Limit Switch Mounting Bracket	1
7	2-1251	Crossmember Pulley Shaft	2
8	6-0978	Cotter Pin, 1/8" DIA. X 1 ½" LG.	4
9	6-0738	Flat Washer, ¾" ID	26
10	1-1623	Crossmember Pulley Pipe, 1/2" LG.	4
11	1-1898	PULLEY ASSEMBLY	6
12	1-1626	Crossmember Pulley Pipe, 1 ³ / ₄ " LG.	2
13	1-1887	HEADED PIN	2
14	2-1901	Safety Dog Weldment, Power Side	1
15	1-2337	SAFETY LOCK PIN	2
16	4-1162	FORMED CARRIAGE WELDMENT	2
17	2-0772	SLIDER BLOCK	8
18	4-1145-6	Telescopic Arm Assy c/w Arm Restraint Pin F.L.	1
19	2-2296	OUTER TUBE WELDMENT RS	1
20	2-2282	2N1 INTERMEDIATE ARM WELDMENT	1
21	2-2279	2N1 Inner Arm Weldment	1
22	3-0920	Outer Arm Weldment	2
23	3-0924	Inner Arm Weldment (Long)	2
24	1-2634	Stack Pad Assembly	3
25	6-0000	Grease Nipple	4
26	6-1841	Hitch Pin, 1/8" DIA.	2
27	6-0248	Flat Washer, 1/2" ID SAE	16
28	6-0059	Lock Washer, 1/2"	16
29	6-0035	NUT, 1/2-13 UNC, HEX	16
30	6-0046	Hex Bolt, 1/2"-13 UNC x 1 1/4" LG.	8
31	6-2445	Snap Ring ¾" EXT	4
32	6-0808	3/4 FLAT WASHER	8
33	6-0169	SELF-TAPPING SCREW, #10 X 3/8" LG	2
34	2-0872	Safety Dog, Slave Side	1
35	6-1134	SELF TAPPING SCREW, #12 X 1/2" LG	6
36	6-0206	Shoulder Bolt, 3/8" DIA. X 1" LG.	3
37	1-0415		2
38	1-1116	SAFETY CABLE PULLEY	3
39 40	6-0069	Shoulder Bolt, 3/8" DIA. X 5/8" LG. Hex Nut, 5/16"-18UNC	2 6
40 41	6-0294 6-0801	Shoulder Bolt, $3/8^\circ$ x 1 $\frac{1}{2}^\circ$ LG.	2
42	6-2074	Thimble, 5/32"	1
43	1-2618	Arm Restraint Gear	4
44	2-1594	Arm Pin	4
45	6-0423	Hex Bolt, 5/16" - 18UNC x ¾" LG.	4
46	1-2914	ARM LOCK HANDLE WELDMENT	4
47	1-2942	HANDLE SPRING	4
48	6-3086	Spring Retainer Cap	4
49	6-0925	Flatwasher, 5/16"	8
50	6-2059	Hex HD. Bolt, 5/16"-18UNC x 1 1/4" LG.	8
51	6-0062	Flat Washer, 3/8" ID SAE	4
52	6-0030	Hex Bolt, 3/8 UNC x 3/4" LG.	4

53	1-1378	Actuator Mounting Bracket	1
54	1-2012	Stack Pad Adapter Holder	2
55	1-1439	Actuator Bar	1
56	6-1404	Foam Guard	1
57	0-0203	Safety Cover c/w Decals, Slave Side	1
58	0-0204	Safety Cover c/w Decals, Power Side	1
59	1-1993	Stack Pad Adapter 3"	1
60	2-1580	Stack Pad Adapter 6"	1
61	6-0056	Lock Washer, 1/4" I.D.	10
62	6-1353	Round HD. MACH. Screw 1/4"-20 x 3/8" LG.	10
63	6-0536	Tube Clamp, 1/2"	6
64	6-1759	Electrical Cable Clip, 5/8" ID	3
65	6-0916	Microswitch	1
66	6-1403		1
		Electrical Utility Box	
67	6-1466	6/32 Screw (Electrical Box)	2
68	1-2143	Actuator Extension	1
69	6-0027	Hex HD. Bolt ¼" NC x 1 ¼" LG.	2
70	6-0032	Hex Nut, 1/4"-20UNC	7
71	6-0741	Hex HD. Bolt ¼" NC x 2" LG.	1
72	6-0205	Hex HD. Bolt ¼" NC x 1 ½" LG.	1
73	1-1113	Safety Release Handle	1
74	6-1135	Plastic Knob	1
75	6-1379	Wedge Anchor 3/4" x 5 1/2" LG. (c/w Washers & Nuts)	10
76	6-0737	Hex Nut, ¾"-10UNC	10
77	6-1173	Elec. Cable 12/3 x 117" LG.	1
79	6-0291	Hex Bolt,1/2"-13UNC X 1 1/2 LG.	8
80	6-0178	Hex Bolt, ¼" x ¾" LG.	3
81	3-0621	Hydraulic Cylinder Assembly	2
82	6-2055	Power Pack, 208-230 V, 1 PH	1
83	6-0295	Flat Washer, 5/16" I.D.	4
84	6-0674	Lock Washer, 5/16" I.D.	4
85	6-0293	Hex Bolt, 5/16"-18UNC x 1" LG.	4
86	6-2095	Male Nipple, 1/4" NPT	2
87	6-0280	1/8 NPT to ¼" NPT	2
88	6-1884	1/4" JIC Cap	2
89	6-1506	Branch Tee	1
90	6-1510	Flow Control	2
90 91	6-1766	Capacity Decal	1
			1
92	6-1111	Serial Number Plate	1
93	6-2094	Lift Operations Decal	1
94	2-1993	Rectangular Pad Weldment	1
95	3-0872	Rubber Pad	1
96	1-2039	Equalizing Cable	2
97	6-1133	Cable Connector	1
98	6-2060	Wire Rope Clip, 1/16"	2
99	1-2040	Hydraulic Hose (Long)	1
100	2-1230	Hydraulic Hose (Short)	1
101	1-2058	Safety Release Cable	1



8.1 Hydraulic System

Item	Part #	Description	Qty
1	6-2055	Power Pack, 208-230V, 1 PH	1
	6-2665	Power Pack, 208-230V, 3 PH	
2	6-2094	"Lift Operation" Decal	1
3	6-0294	Hex Nut, 5/16"-18 UNC	4
4	6-0674	Lock Washer, 5/16" I.D.	4
5	2-1254	Piston Rod	2
6	2-125501	Cylinder Tube	2
7	6-2095	Male Nipple, ¼" NPT	2
8	6-0280	1/8" NPT to 1/4" JIC	2
9	6-1510	Flow Control	2
10	1-1467	Piston	2
11	0-0337	Piston Seal Kit	2
12	6-0295	Flat Washer, 5/16" I.D.	4
13	6-0293	Hex Bolt, 5/16"-18 UNC x 1" LG.	4
14	6-1506	Branch Tee	1
15	1-2040	Hydraulic Hose (Long)	1
16	2-1230	Hydraulic Hose (Short)	1
17	0-0338	Gland Kit	2
18	6-1884	1⁄4" JIC Cap	2
	3-062101	Cylinder Assembly (Not INCL. Flow Control	*
	:	3PH Power Pack Includes the Following (Not Shown)	
*	6-1575	Contactor Box (Remove Jumper & Wire for 3PH)	1
*	2-1130	Contactor Bracket	1
*	1-1369	Cover Plate	1
*	6-0008	Hex Bolt, ¼" –NC x 1" LG	2
*	6-0056	Lock Washer, 1/4"	4
*	6-0032	Hex Nut, ¼" – NC	2
*	6-0094	Strain Relief	2
*	8-0287	Cable, 14/4	2 ft.