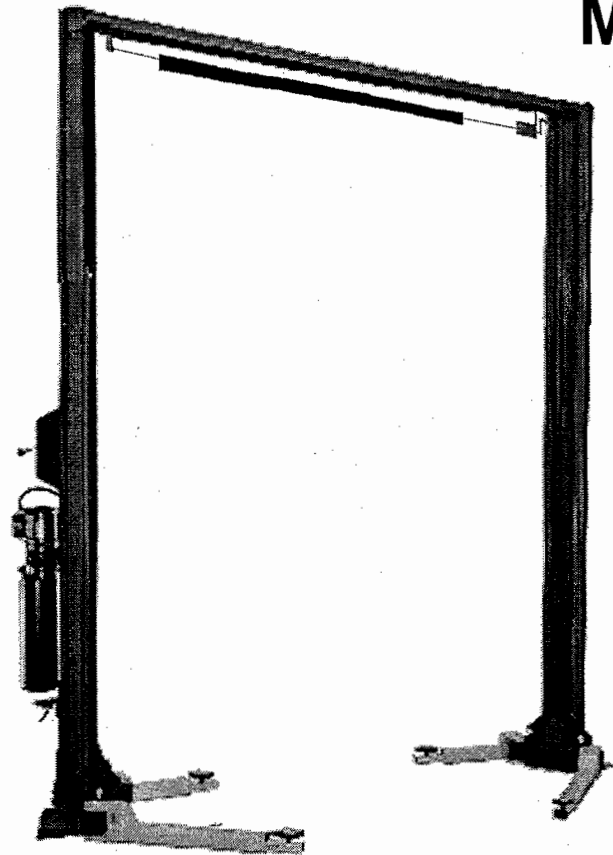


WHEELTRONIC LTD.

**INSTALLATION
and OPERATION
MANUAL**



CE



VECTOR
(MODEL 8144)
3625 KG.

(8000lb)

**READ and SAVE THIS
INSTRUCTION MANUAL**

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1. SAFETY AND OPERATING INSTRUCTIONS

1. Read all instructions.
2. Inspect lift daily. Do not operate if it malfunctions or problems have been encountered.
3. 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.
4. 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.
5. Position the lift support pads to contact the vehicle manufacturer's recommended lifting points. Raise the lift until the pads contact the vehicle. Check pads for secure contact with the vehicle, then raise the lift to the desired working height.
6. Some pickup trucks may require an optional truck adapter to clear running boards or other accessories.
NOTE: Always use all 4 arms to raise and support vehicle.
7. **Caution! Never work under the lift unless the mechanical safety locks are engaged.**
8. 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.
9. Always keep the lift area free of obstruction and debris. Grease and oil spills should always be cleaned up immediately.
10. Never raise vehicle with passengers inside.
11. Before lowering check area for any obstructions.
12. Before driving vehicle between the towers, position the arms to the drive-through position to ensure unobstructed clearance. Do not hit or run over arms as this could damage the lift and/or vehicle.
13. Before removing the vehicle from the lift area, position the arms to the drive-through position to prevent damage to the lift and /or vehicle.
14. Care must be taken as burns can occur from touching hot parts.
15. Do not operate equipment with a damaged cord or if the equipment has been dropped or damaged – until a qualified serviceman has examined it.
16. Do not let cord hang over table, bench or counter or come in contact with hot manifolds or moving fan blades.
17. If an extension cord is necessary, a cord with a current rating of two or more than that of the equipment should be used. Cords rated for less current than the equipment may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
18. Always unplug the equipment from electrical outlet when not in use. Never use the cord to pull the plug from the outlet. Grasp plug and pull to disconnect.

2. SPECIFICATIONS

Capacity:
 Overall Width:
 Width Between Columns:
 Drive-Thru Width:
 Overall Height:
 Under Bar Clearance:
 Height to Lowered Lift Pads:
 Height to Raised Low Lift Pad:
 Front Arm Retracted Length:
 Front Arm Extended Length:
 Rear Arm Retracted Length:
 Rear Arm Extended Length:
 Maximum Lifting Height:
 Lift Time:
 Power Requirements (Standard):

8000 lbs.	3625 kg
124"	3150mm
97"	2464mm
76 1/2"	1943mm
144"	3658mm
140"	3556mm
4 3/4"	120mm
5 3/4"	146mm
23 1/4"	591mm
36 3/4"	933mm
35 3/4"	908mm
57 1/4"	1454mm
74 1/4"	1886mm
45 seconds	
220 Volts AC, 1 Ph., 50Hz.	

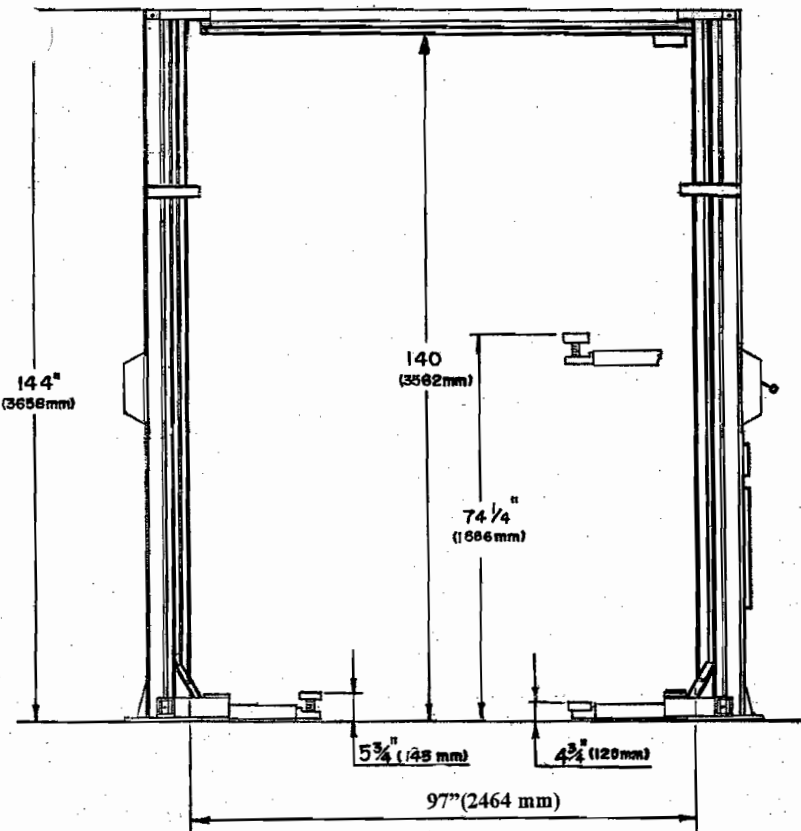


Figure 1

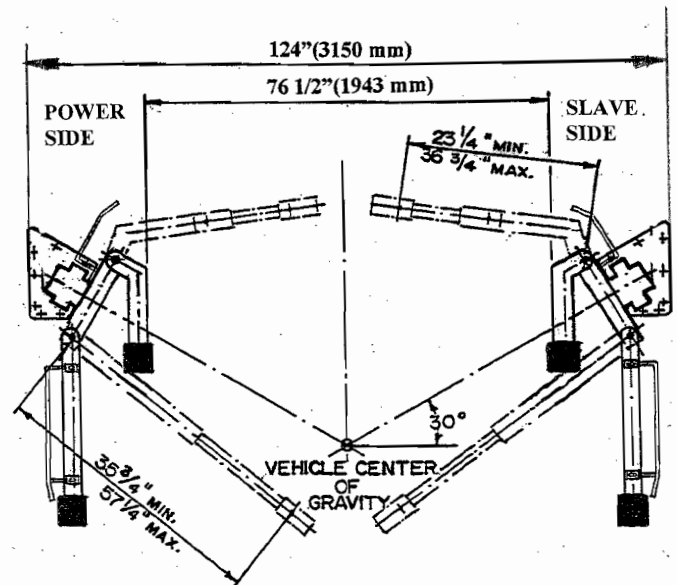


Figure 2

3. CONTENTS

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**.

Main Structural Components includes:

- 1pc. - Right side tower and carriage assembly
- 1pc. - Left side tower and carriage assembly
- 1pc. - Crossmember
- 1pc. - Actuator Bar W/ Foam Guard

Accessory box contents:

- 2pcs. - Safety Covers w/Decals
- 1pc. - Safety Release Cable Ass'y
- 2pcs. - Toe Guard (Front)
- 2pcs. - Toe Guard (Rear)
- 2pcs. - Hydraulic Tube Ass'y
- 1pc. - Safety shut-off microswitch assembly (Components)
- 1pc. - Valve Block (C/W Fittings)
- 2pcs. - Front arms (Short) w/arm pins
- 2pcs. - Rear arms (Long) w/arm pins
- 1pc. - Hardware package w/Packing List
- 1pc. - Owner's manual
- 1pc. - ALI manual "Lifting It Right"
- 1pc. - Automotive Lift Safety Tips
- 1pc. - Automotive Lift, Operation, Inspection and Maintenance manual
- 1pc. - "ALI" Quick Reference Guide

4. INSTALLATION REQUIREMENTS AND TOOLS

IMPORTANT: Lifts should only be installed on level concrete floors. Please refer to "C30" Standard for minimum floor specifications.

Tools Required:

- 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. One 12ft. Step Ladder
- k. Side Cutters
- l. Screwdrivers
- m. 15 ft. Bleeder Hose (Clear) w/ 3/8" JIC Swivel F fitting on one end
- n. 4" x 4" Wooden Blocks (for unpackaging)

5. INSTALLATION INSTRUCTIONS

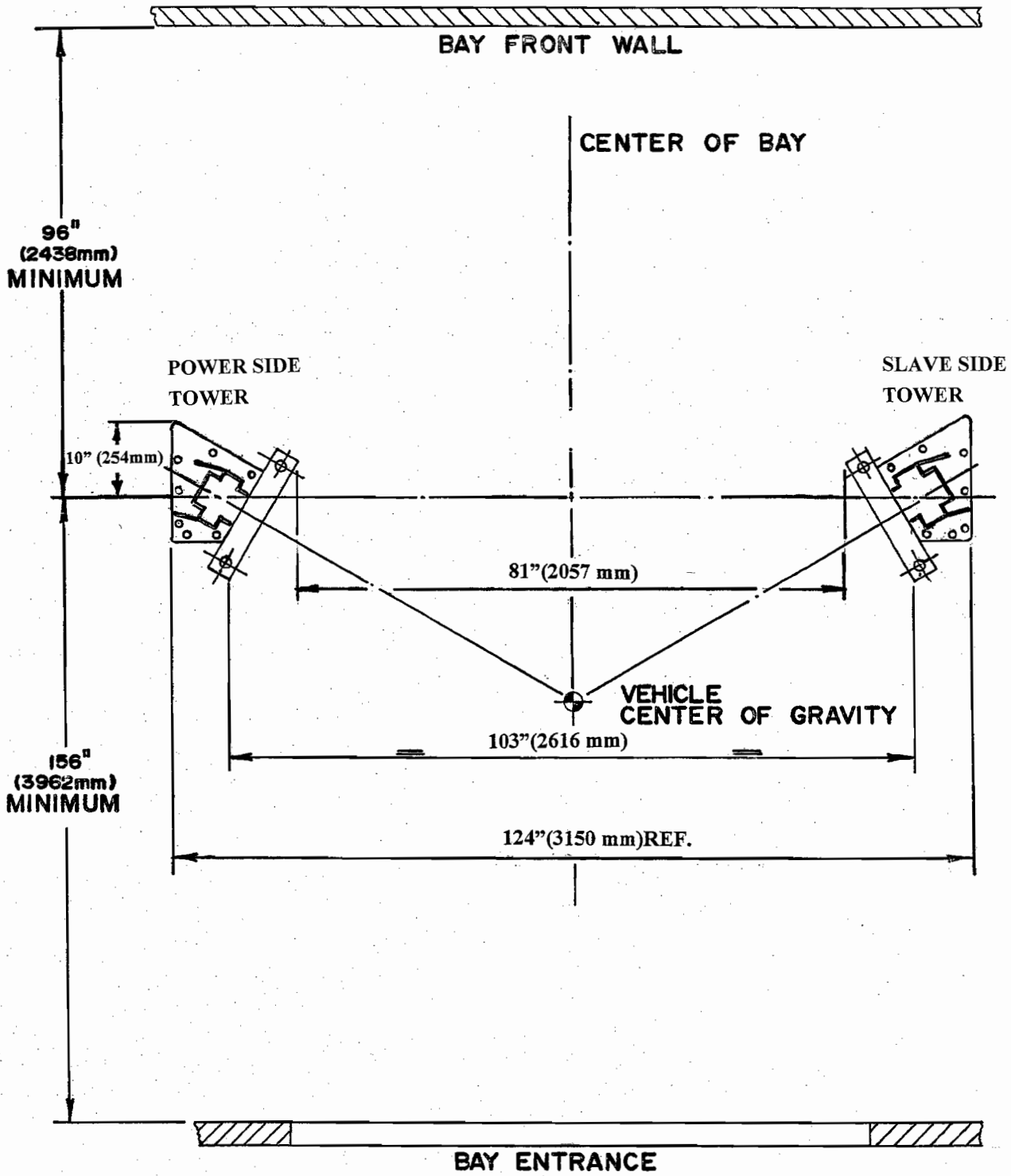
When the lift arrives on site, please read the owner's manual and check for any freight damages. Also, check the contents to make sure no parts are missing before starting installation. Gather all the tools listed and make sure the installation instructions are fully understood before commencing installation.

5.1 UNPACKING PROCEDURE

1. **Important!** Place the main structural components on wooden blocks so that the steel frames can be removed.
2. Remove plastic wrapping.
3. Remove crossmember, extensions, and actuator bar.
4. Remove steel frames.
5. Lay towers on floor with the carriage side up.
6. Check the installation area for obstructions. (Lights, Heating Ducts, Ceiling, Floor Drains...etc.)
7. Prepare the bay by selecting the location of the lift relative to the walls. Clear area of all packaging materials to avoid trip hazards. Draw a chalk line on the floor to represent the center line of the bay and a second chalk line crossing at 90° for locating the lift towers. Refer to **Figure 3**.

5.2 BAY LAYOUT

Figure 3



5.3

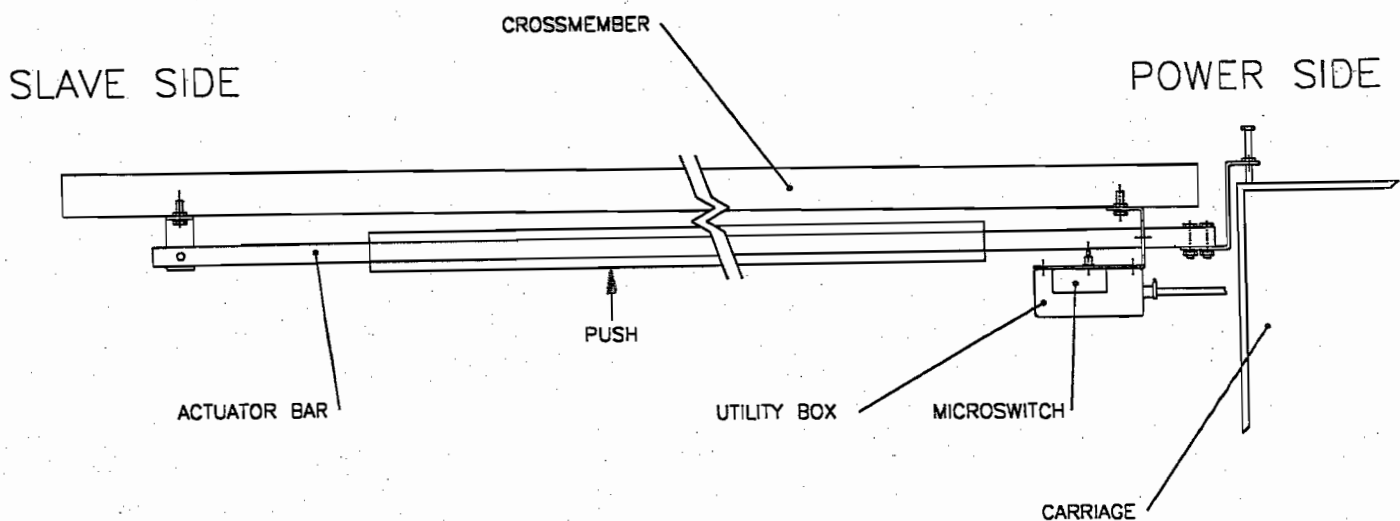
SAFETY SHUT-OFF BAR INSTALLATION

Note: 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 extension. The safety shut off switch is factory pre-wired. Refer to Figure 4 and 5.

Note: This procedure can be done on the floor.

1. Attach the Actuator Mounting Bracket (1-1378) to the crossmember using hex head bolt 1/4" NC x 3/4" lg. bolt (6-0178), lockwasher 1/4" dia. (6-0056), and hex nut 1/4" NC (6-0032).
2. Attach Actuator Bar assembly to the Actuator Mounting Bracket assembly using hex head bolt 1/4" NC x 1 1/2" lg. (6-0027), lockwasher (6-0178), and hex nut 1/4" NC (6-0032).
3. Slide Safety Shut-Off Microswitch Assembly over open end of actuator bar and bolt the assembly to the crossmember using hex head bolt 1/4" NC x 3/4" lg. (6-0178), lockwasher (6-0178), and hex nut 1/4" NC (6-0032).
4. Bolt Actuator Extension (1-1379) onto open end of actuator bar using (2x) hex head bolt 1/4" NC x 1 1/4" lg. (6-0027), lockwasher (6-0178), and hex nut 1/4" NC (6-0032).

Figure 4



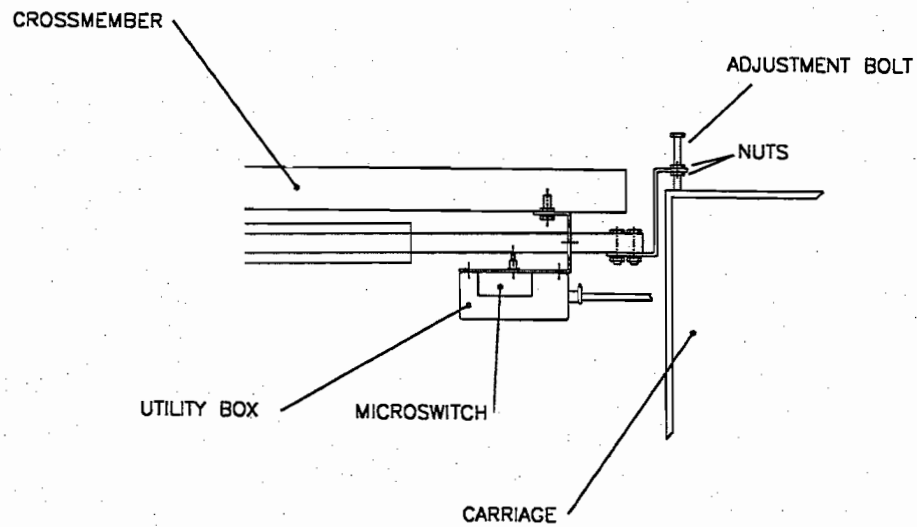
5.4

SAFETY SHUT-OFF BAR ADJUSTMENT

Note: This procedure must be done last.

1. When the lift is fully installed, leveled, and operational, extend the carriages to their full upper limit.
2. Lower the carriages about 1/4" to 1/2".
3. Adjust the stopper bolt by threading the upper nut towards the head, and the lower nut towards the bottom.
4. The bottom of the bolt should be touching the top of the carriage.
5. Tighten both stopper nuts onto the actuator bar extension.

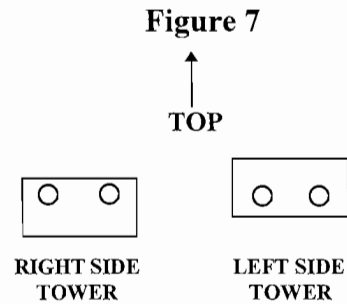
Figure 5



5.5 TOWER POSITIONING AND SETUP

1. Locate the right side and left side tower to the relative position as shown on **Figure 3**. Double check all dimensions.

IMPORTANT! Carriage stops must be re-installed as shown in **Figure 7**.



2. Using a step ladder, install the crossmember. Raise and place the crossmember mounting hooks over the top of the tower. Install and **tighten** the crossmember using four (4) 1/2"-13UNC x 1 1/2"LG. hex head bolts, flat washers, lock washers and hex nuts.
3. Check the towers to make sure they are located, and positioned in the correct location. Refer to **Figure 3**.

5.6 ARM INSTALLATION

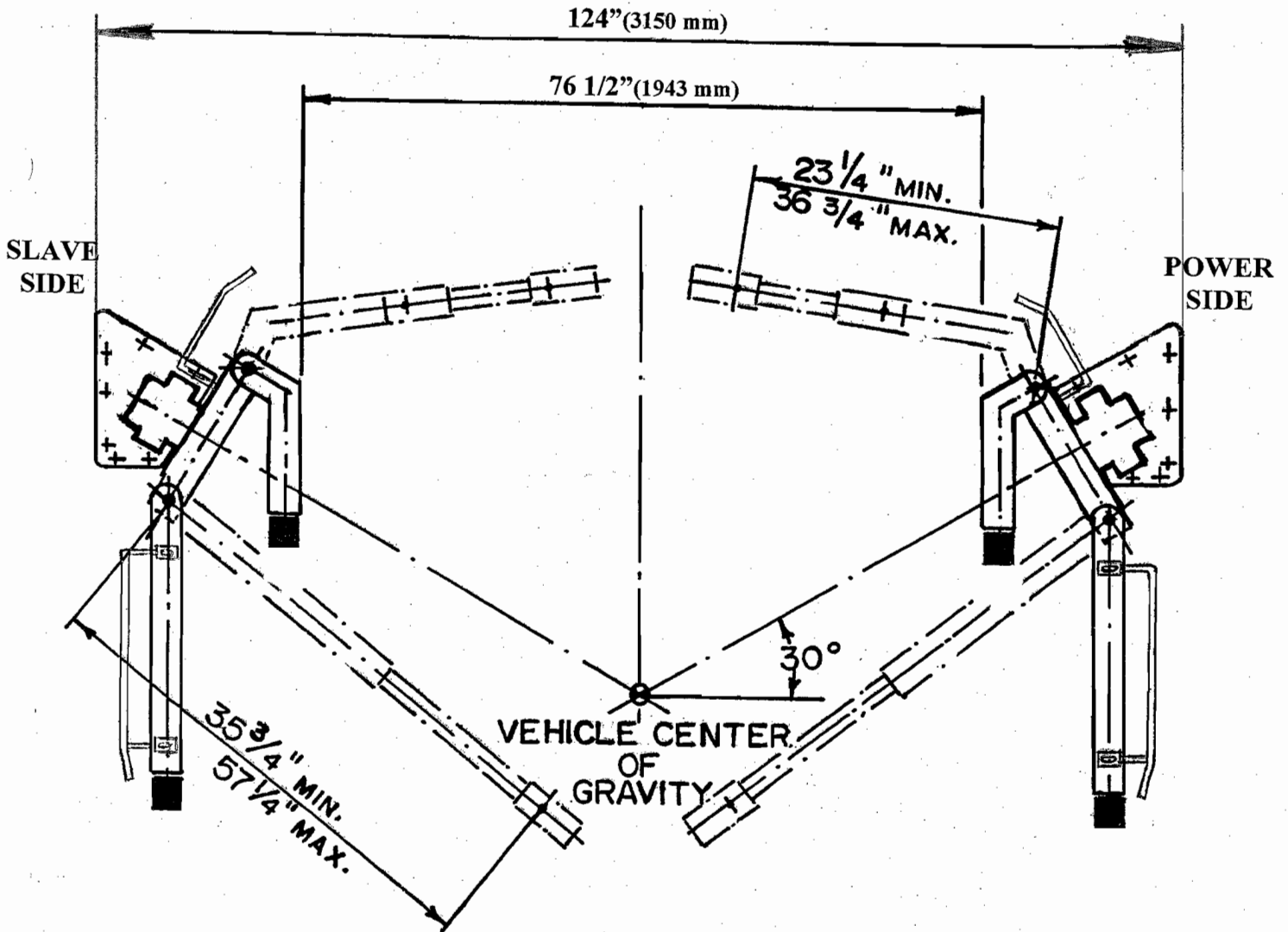
NOTE: The position of the hole on the rear arms for the arm lock mechanism should be located on the outer part of the arm on both sides.

1. Remove (4) 5/16"-18UNC x 3/4"LG. hex head bolts that are locking the arm pins to the arm. Install arms to carriages. Install so that the shorter arms (with the 30° bend) are on the front, and the long arms on the rear. Refer to **Figure 8**.
2. Grease and insert arm pins. Align notch on arm pins to the tapped hole on the arm. Using the 5/16" hex head bolts removed in previous step, reinstall and tighten securely.

NOTE: Arm locking devices to be installed in Section 5.14.

ARM INSTALLATION

Figure 8

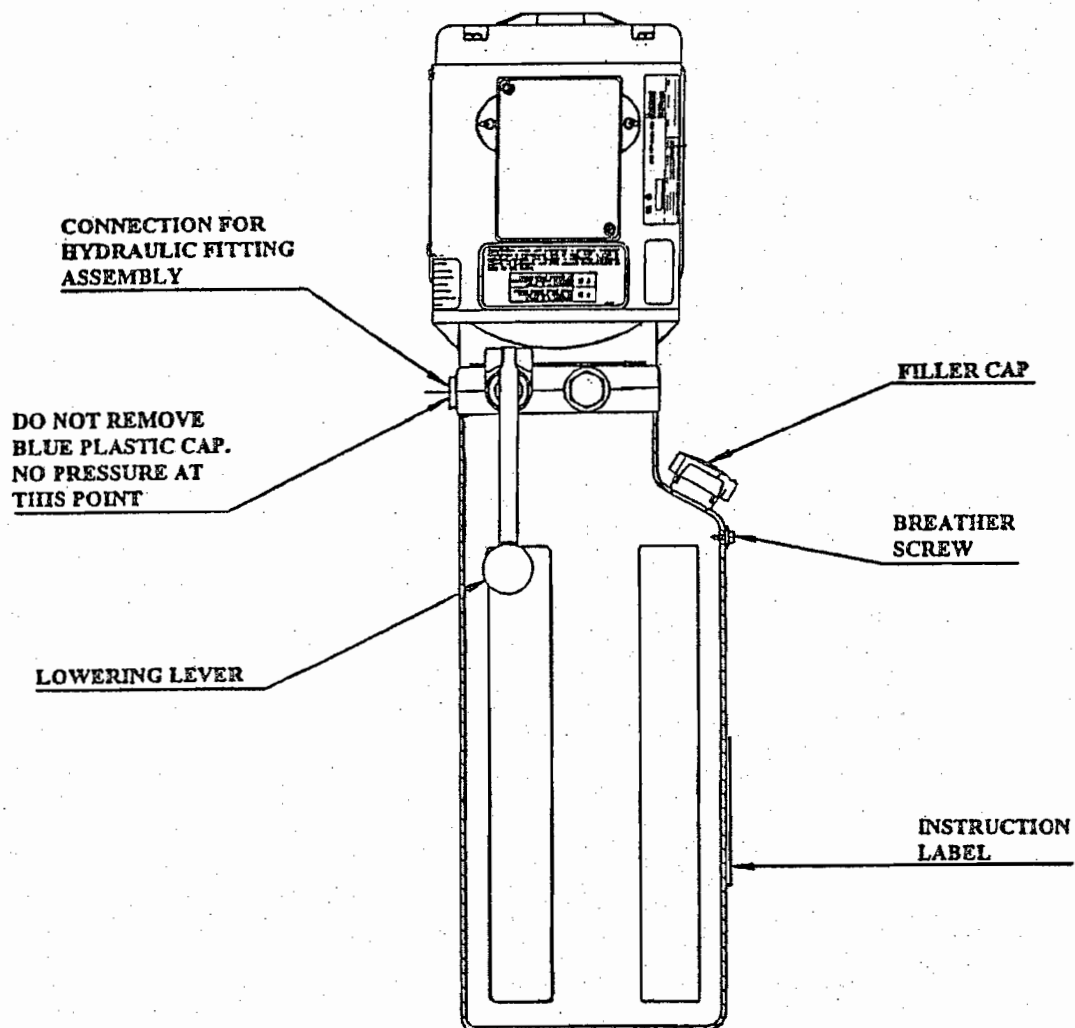


5.7 POWER PACK INSTALLATION

1. Remove the **red** plastic cap located at the rear of the power pack, and install the 90° fitting (page 28, item 18) located in the hardware kit.
2. Bolt power pack to the mounting bracket on the power side tower using four (4) 5/16"-18UNC x 1"LG. hex head bolts, lock washers, flat washers and nuts. Do not tighten.
3. A **certified electrician** must connect the power to the motor. The electrical diagram is provided, refer to **Figure 10**.

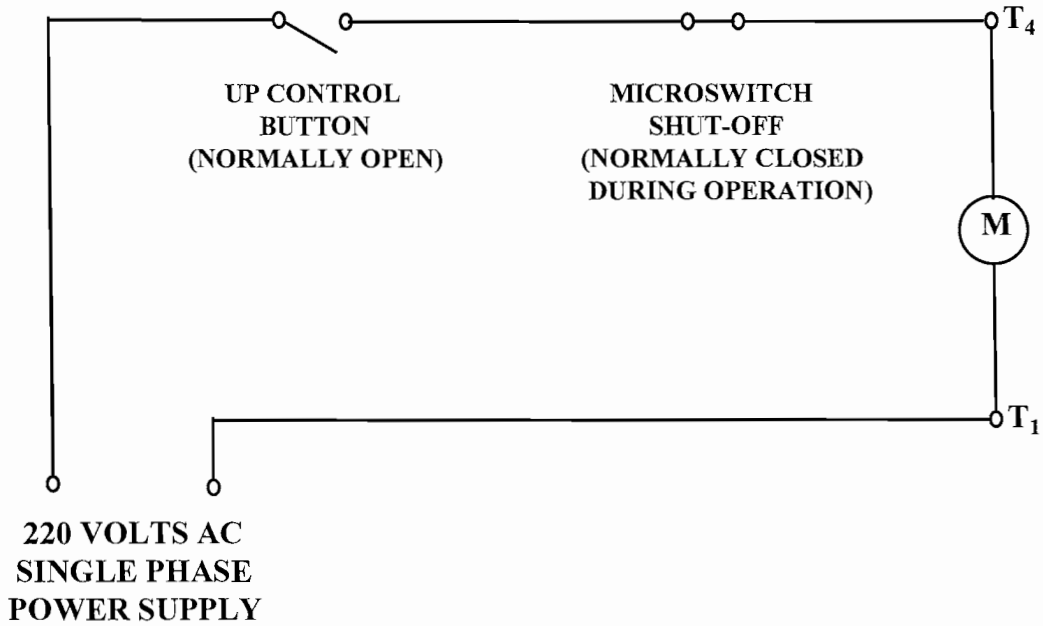
POWER PACK DETAILS

Figure 9



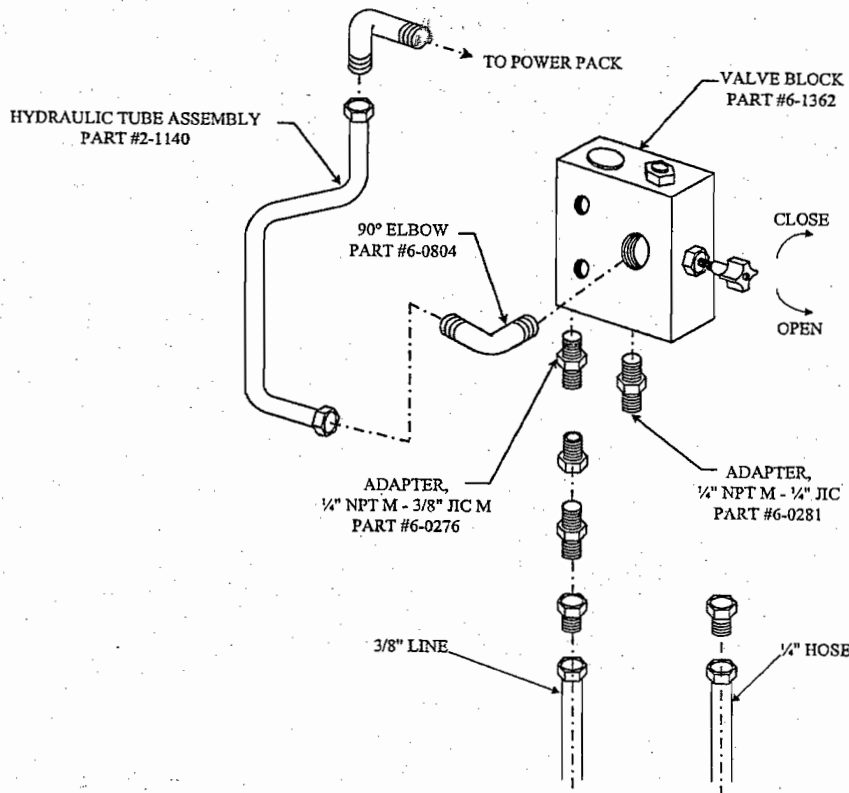
ELECTRICAL DIAGRAM

Figure 10



HYDRAULIC SYSTEM CONNECTIONS

Figure 11



5.8 HYDRAULIC SYSTEM INSTALLATION

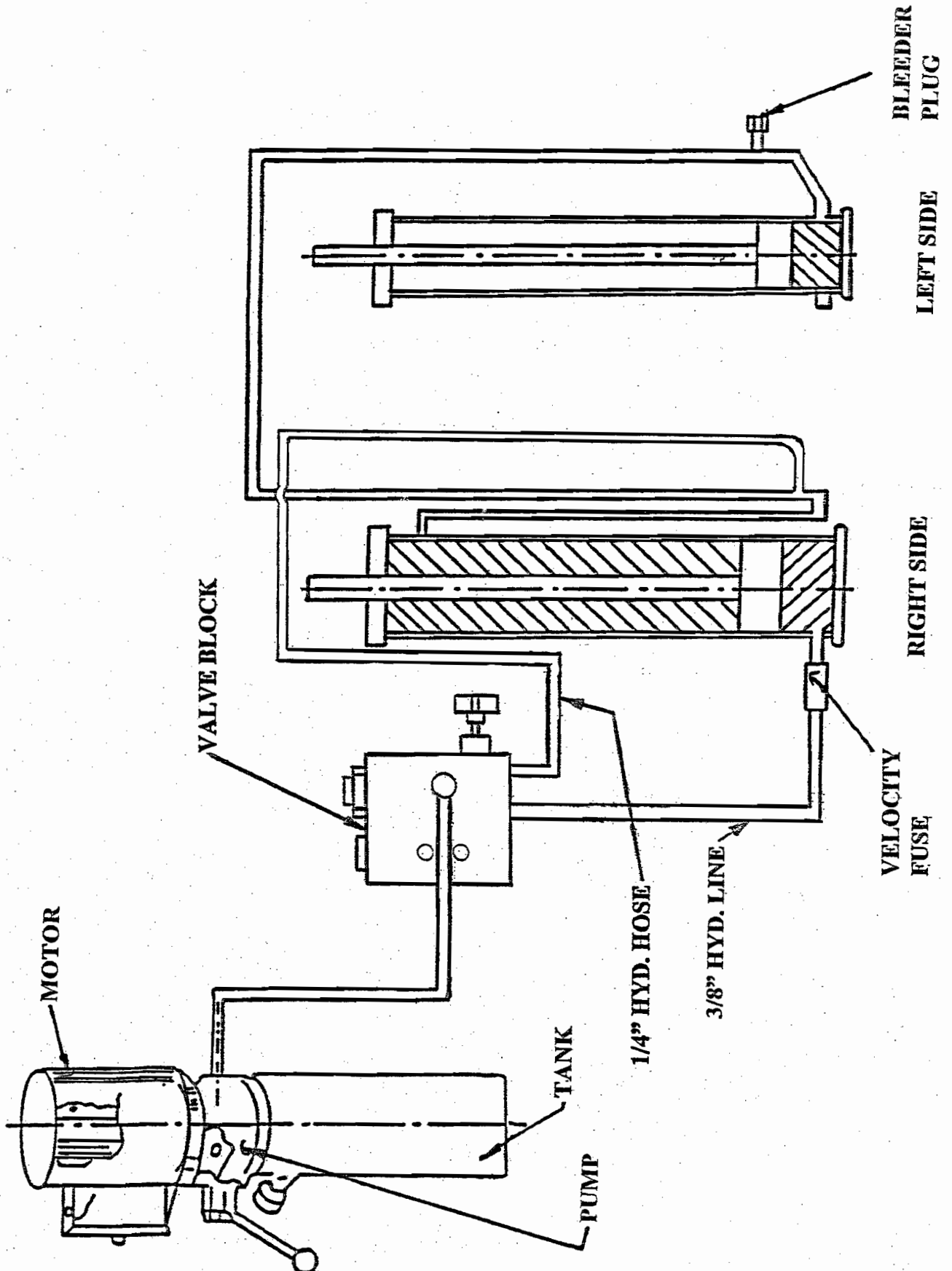
Refer to **Figure 11** and **12**, and page 28 on the Hydraulic System Part List.

Note: Save hydraulic caps and plugs for future use.

1. Do not tighten any hydraulic fittings until all connections have been made.
2. Remove plug from item 17. Install item 17 (page 28) to the 90° fitting on the power pack (item 18).
3. Install the valve block to the left side tower using items 23 and 5.
4. On the left side cylinder, remove the cap off item 28 at the bottom rear and install item 27.
5. Attach item 27 to item 53 on valve block.
6. At the bottom of the left side cylinder, remove the 1/4" cap from item 25 and attach it to item 51 on valve block.
7. Attach the other end of item 17 to the 90° fitting (item 18) on the valve block.
8. Place the flex hose (item 1) in the crossmember and attach one end to item 31 and the other end to item 3
9. TIGHTEN ALL HYDRAULIC CONNECTIONS.
Caution: Over tightening could cause the flare seal to break.
10. Remove filler cap from power pack, and fill reservoir with 3.5 Gal. (13.2 L) of ISO32 hydraulic oil (10 weight hydraulic oil). Remove breather screw when filling and replace when full. Refer to **Figure 9**.

HYDRAULIC SYSTEM SCHEMATIC

Figure 12



5.9 SAFETY RELEASE CABLE ROUTING AND ADJUSTMENT

The mechanical safety automatically engages. To release the mechanical safety, you must first raise the lift approximately 2" (51mm), then pull the safety release lever down. This disengages the right side safety dog and activates the safety cable to release the left side safety dog.

1. Refer to **Figure 13** for safety release cable routing. The cable end which has a collar belong to the slave side tower. The threaded end belongs to the power side tower.
2. Start routing from the slave side of the crossmember. Feed the cable over the small pulley, then guide the cable down along the inside of the slave side roll formed tower channel. Pull the cable out through the opening in the back of the slave side tower near the safety dog.
3. Guide the cable up under the pulley towards the end of the safety dog. Use a 1/4" shoulder bolt to mount the collar end of the cable to the safety dog. Tighten the shoulder bolt securely.
4. Repeat step 2 for the power side.
5. Install one 1/4" - 20 UNC hex nut on the threaded end of the cable. Feed the threaded end of the cable through the hole in the bracket attached at the end of the safety dog. Install another 1/4" - 20 UNC hex nut as shown in **Figure 14**. **Do not tighten at this time.**
6. Install safety release handle onto the power side safety dog. Lock into position using one 1/2" - 13 UNC hex nut.
7. Adjust the safety cable on the power side mechanism by loosening the two hex nuts. Adjust cable lengths so that both safety dogs travel from full engagement position to full release position when the safety handle is pulled. **Tighten both hex nuts against the bracket firmly when adjustment is completed.**

SAFETY RELEASE CABLE ROUTING AND ADJUSTMENT

Figure 11

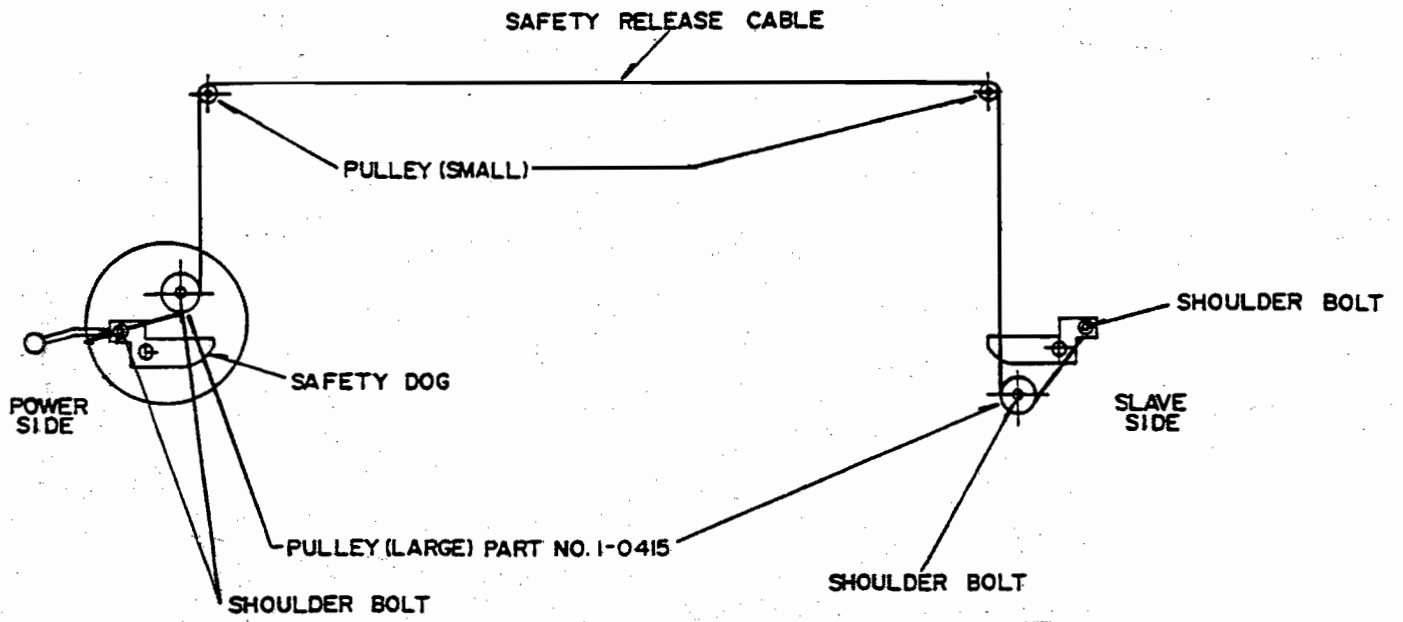
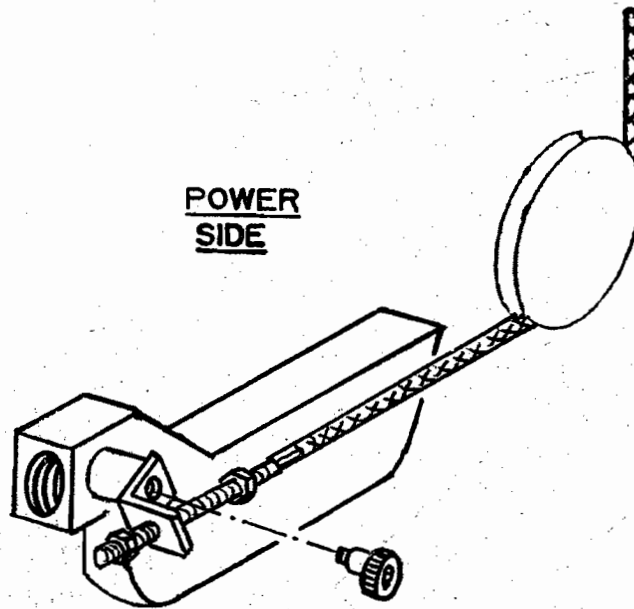


Figure 12



5.10 HYDRAULIC SYSTEM BLEEDING AND LEVELING PROCEDURE

1. Ensure that both carriages are fully lowered.
2. Remove the bleeder cap from the "T" fitting at the bottom of the left side cylinder. *RIGHT*
3. Attach a 15ft. clear bleeding hose to the same fitting, and place the open end of the hose into the power pack's reservoir's filler neck or in a container in which the oil came in for reuse. Hose should be secured during the bleeding procedure.

NOTE: Check position of carriage stops. Section 5.5, Step 4, Fig 7.

4. Close the by-pass valve, and power up until the right side carriage reaches the carriage stops. *LEFT*
5. Open the by-pass valve, and power up until oil is seen flowing out of the bleeder hose. (No Air Bubbles). Bleed at least 1 gal. of hydraulic fluid through the system.
6. Remove the bleeding hose and reinstall the bleeder cap. Replace breather/filler cap.
7. Power up until left side carriage reaches the carriage stops. *RIGHT SIDE*
8. Close the by-pass valve and lower lift (both sides) until both carriages are fully collapsed. Power up and lower lift (14" or ~350mm) a few times. When lift is fully down, open the by-pass valve and raise the left side 2-3" (50-75mm) higher than the right side. Close the by-pass valve. *RIGHT*
9. Power up, and lower lift onto the first safety, on the right side. Open the by-pass valve and lower left side onto the same first safety. Close the by-pass valve. Lift is now synchronized hydraulically. *LEFT*
10. Both right and left sides must be completely down.
11. Check and add hydraulic fluid to power pack before cycling lift.
12. Install safety covers, and safety release lever knob. Securely.
13. Set up a vehicle on the lift after anchoring to make sure hydraulics are operating properly.

5.11 HYDRAULIC ADJUSTMENT PROCEDURE

Important! Should your lift come out of synchronization, i.e. one carriage is higher than the other, it is necessary to level the lift hydraulically.

A. When **right side** is **higher** than the left side:

1. Lower lift on to the first safety on the left side.
2. Open by-pass valve. Push the down control lever. This will cause the right side carriage to be lowered. Stop lowering when the right side carriage stops on the first safety.

B. When **left side** is **higher** than the right side:

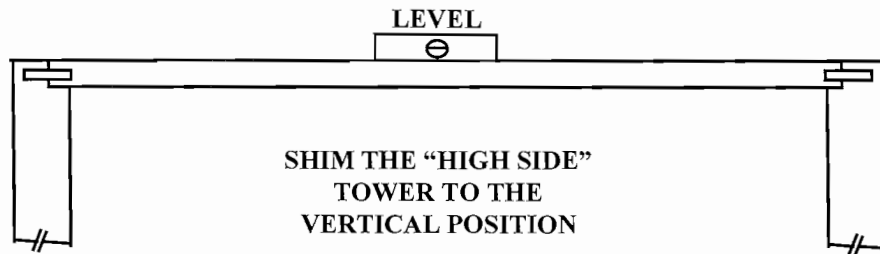
1. Open the by-pass valve, raise lift until the right side carriage is approximately 1-2" higher than the left side carriage. Stop raising and close by-pass valve.
2. Lower lift by pushing the down control lever. Stop lowering when the left side carriage touches the first safety.
3. Next, open the by-pass valve. Push the down control lever so that the right side carriage lowers. Stop lowering when the right side carriage touches the first safety. Close the by-pass valve.

5.12 TOWER POSITIONING AND ANCHORING

Refer to Page 25, 26 & 27.

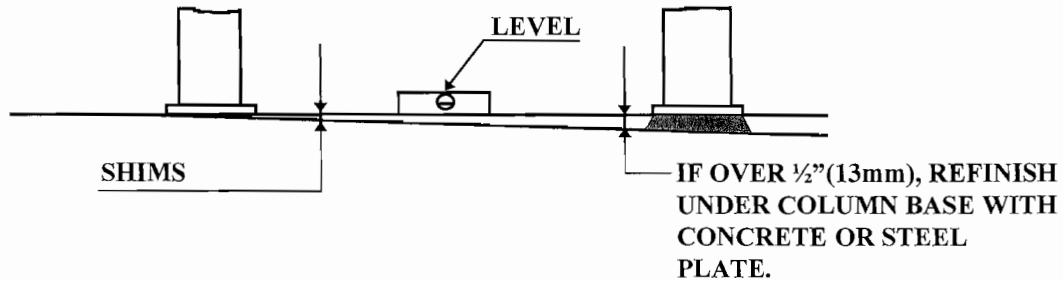
1. Using a 4ft. (~1m) level on top of the crossmember, determine the high side tower. Refer to **Figure 15**.

Figure 15



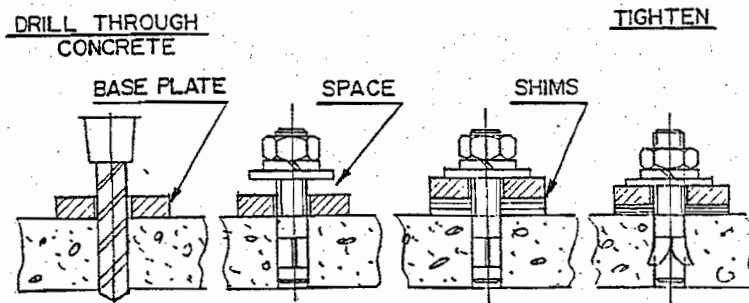
2. **Important! The anchor bolts supplied allows for the maximum use of 1/2" (13mm) of shims. IN CASES WHERE MORE THAN 1/2" (13mm) OF SHIMS ARE USED, REFINISH UNDER TOWER BASE WITH CONCRETE OR STEEL PLATE.** Refer to **Figure 16**.

Figure 16



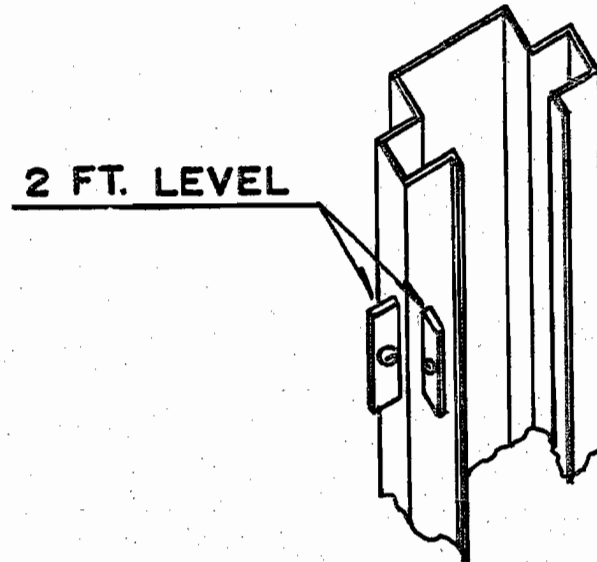
3. Using a rotary hammer drill with a M20 x 170 masonry drill bit, drill holes in the floor on the high side tower using the tower base plate, as a template. Make sure that the M20 x 170 masonry drill is in good condition.
4. Install the anchor bolts in the high side tower. **Do not tighten anchor bolts.**

Figure 17



5. Using a 2 ft. level on the side of the high tower, ensure that the tower is vertical. Refer to **Figure 18**. Using shims under the tower base plate, level the tower. Torque all anchor bolts to 150 ft.lbs.(200Nm) Refer to **Figure 17**.

Figure 18

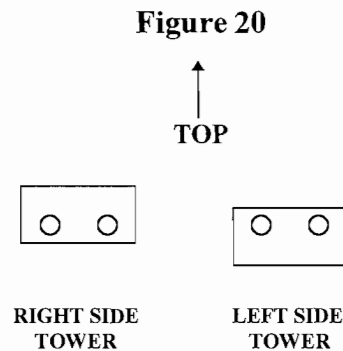


5.13 SHIMMING OF THE REMAINING TOWER

1. Check location and dimensions on remaining tower (**Figure 3**) then drill holes for the anchor bolts. Install anchor bolts, but **do not tighten**. Refer to **Figure 17**.
2. Place a 2ft. (~.5m) level on faces of the remaining tower and shim until the tower is both vertical and horizontal.
3. After ensuring the tower is level, torque all anchor bolts to 150 ft.lbs. (200Nm)
4. After tightening all anchor bolts, be sure to check that the lift remained level. Adjust if necessary.

6. PERIODIC MAINTENANCE









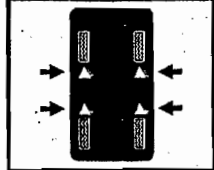



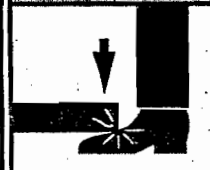


1. Inspect lift daily, to assure the mechanical safety is operating properly.
2. Check the telescopic arms for movement. Clean any grease or oil from the lifting adapters.
3. Raise and lower the lift at the beginning of each shift, without a vehicle on, to verify the lift is leveled and operating properly. Perform hydraulic leveling procedure when the lift is out of level.
4. Lubricate safety dog mechanisms with penetrating oil monthly.
5. Grease arm pins supports monthly.
6. Check hydraulic fittings for tightness.
7. Annual lift inspection as per Automotive Lift Operation, Inspection and Maintenance (ALOIM).
8. Apply a small amount of grease to glide bearing tracks periodically.
9. Check bolts on the carriage stops for tightness. Note: The carriage stop on the left side tower should have the thicker side facing downwards, and on the right side facing upwards. Refer to **Figure 20**.



10. Check lift for synchronization periodically.
11. Change hydraulic oil every two years.

NOTE: If 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.

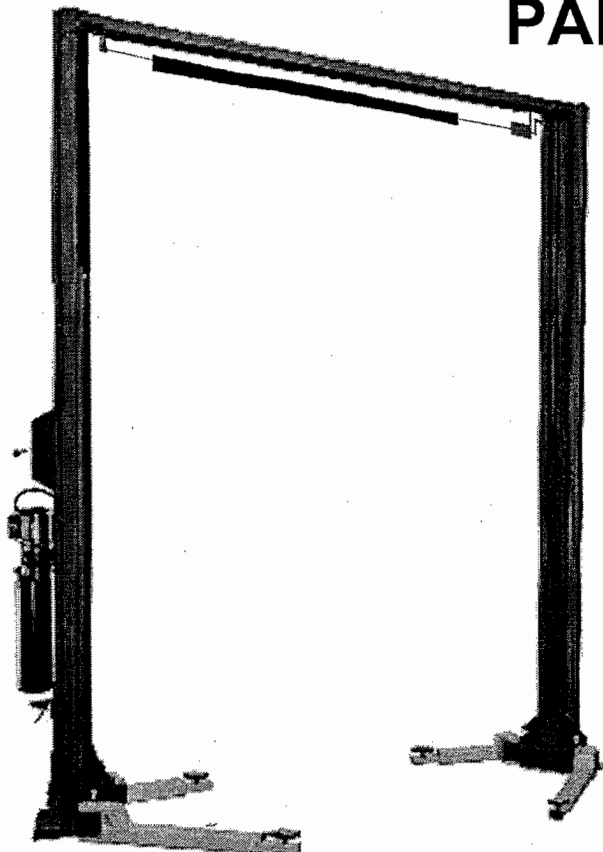
7. SAFETY AWARENESS - AUTOMOTIVE LIFT INSTITUTE (ALI)

<p>▲ WARNING</p>  <p>Clear area if vehicle is in danger of falling.</p>	<p>▲ WARNING</p>  <p>Position vehicle with center of gravity midway between adapters.</p>	<p>▲ CAUTION</p>  <p>Lift to be used by trained operator only.</p>	<p>▲ CAUTION</p>  <p>Authorized personnel only in lift area.</p>	<p>SAFETY INSTRUCTIONS</p>  <p>Read operating and safety manuals before using lift.</p>	<p>SAFETY INSTRUCTIONS</p>  <p>Proper maintenance and inspection is necessary for safe operation.</p>
<p>▲ WARNING</p>  <p>Remain clear of lift when raising or lowering vehicle.</p>	<p>▲ WARNING</p>  <p>Avoid excessive rocking of vehicle while on lift.</p>	<p>▲ CAUTION</p>  <p>Use vehicle manufacturer's lift points.</p>	<p>▲ CAUTION</p>  <p>Always use safety stands when removing or installing heavy components.</p>	<p>SAFETY INSTRUCTIONS</p>  <p>Do not operate a damaged lift.</p>	<p>The messages and pictographs shown are generic in nature and are meant to generally represent hazards common to all automotive lifts regardless of specific style.</p> <p>Funding for the development and validation of these labels was provided by the Automotive Lift Institute, P.O. Box 33116, Indianapolis, IN 46233-0116. They are protected by copyright. Set of labels may be obtained from ALI or its member companies.</p> <p>© 1992 by ALI, Inc. ALI/FL/The</p>
<p>▲ WARNING</p>  <p>Do not override self-closing lift controls.</p>	<p>▲ WARNING</p>  <p>Keep feet clear of lift while lowering.</p>	<p>▲ CAUTION</p>  <p>Use height extenders when necessary to ensure good contact.</p>	<p>▲ CAUTION</p>  <p>Auxiliary adapters may reduce load capacity.</p>		

Warning Labels for 2-post surface mounted lifts. Daily review of these Safety Messages and Warnings is suggested.


WHEELTRONIC LTD.

**EXPLODED
VIEWS AND
PARTS LISTS**



CE

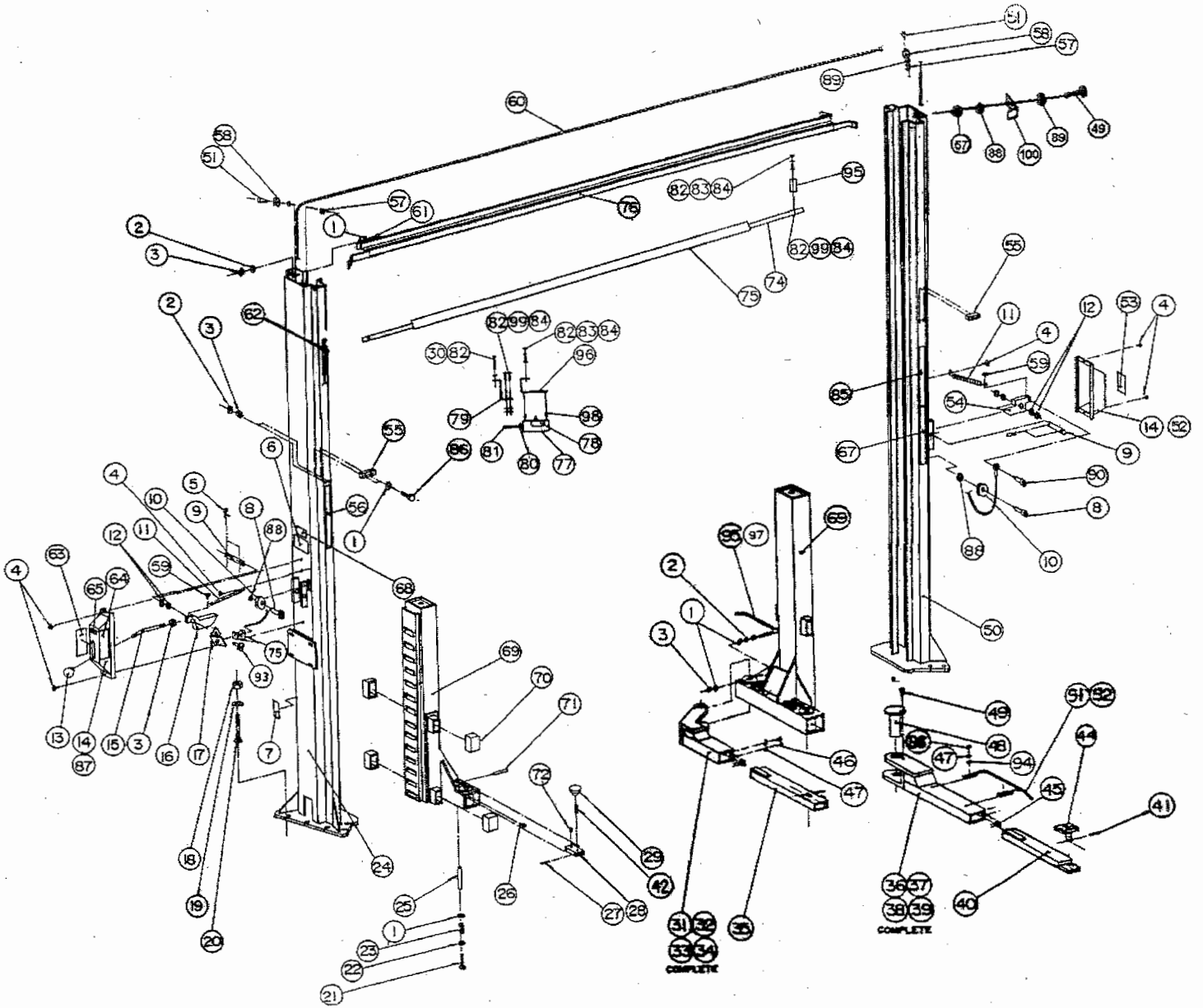


VECTOR
(MODEL 8144)
3625 KG.

**READ and SAVE THIS
INSTRUCTION MANUAL**

JULY 1998 6-1474

TWIN POST 8144 VECTOR PARTS LIST

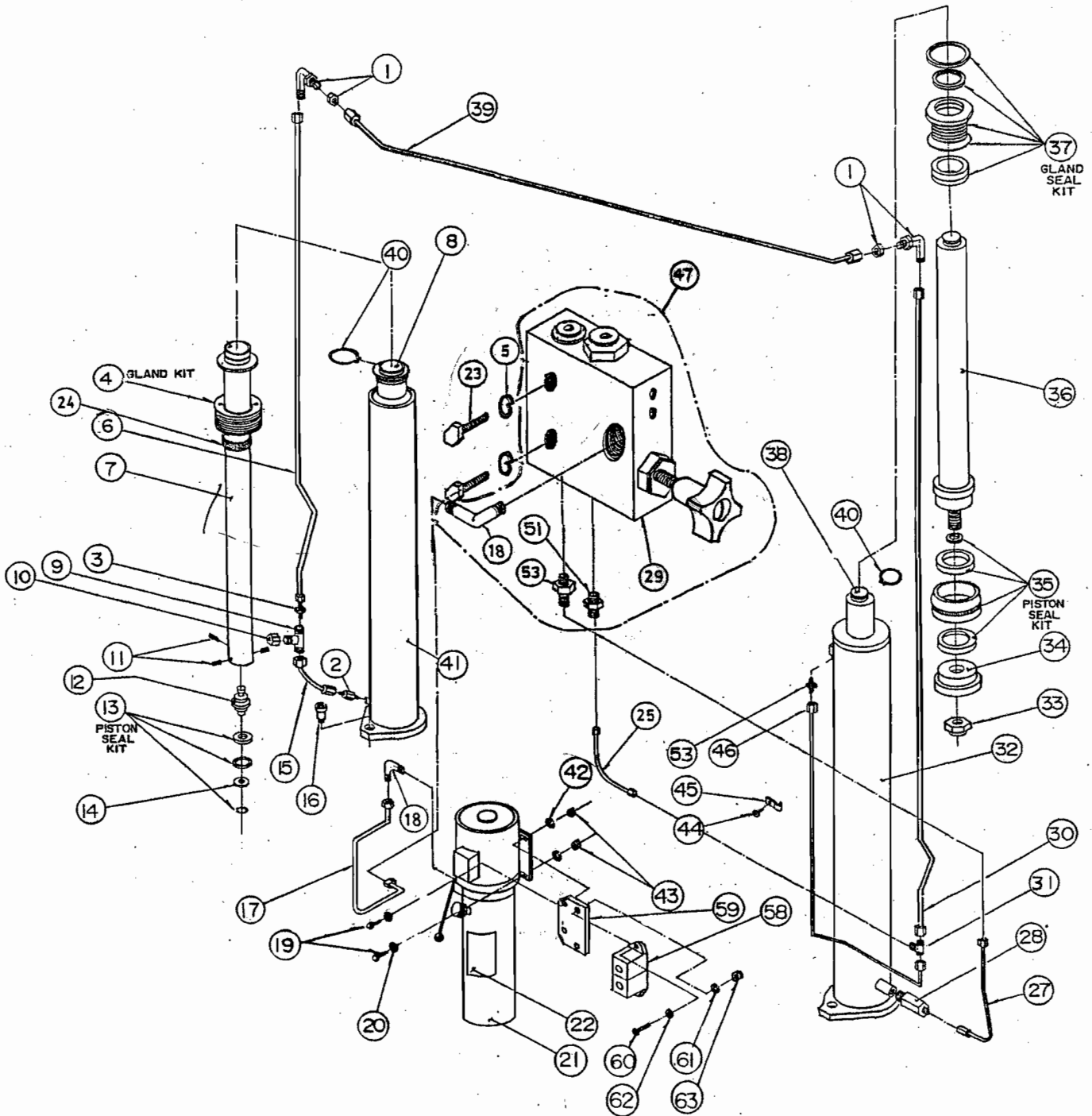


TWIN POST 8144 VECTOR PART LIST

ITEM	QTY.	DESCRIPTION	PART #
1	20	FLAT WASHER, 1/2"ID SAE	6-0248
2	14	LOCKWASHER, 1/2"ID	6-0059
3	17	HEX NUT, 1/2"-13UNC	6-0035
4	6	SELF TAPPING SCREW, #12 x 1/2"LG.	6-1134
5	4	COTTER PIN, 1/8"DIA. x 1"LG.	6-0267
6	1	AL/ETL DECAL	6-0996
7	1	"HYDRAULIC LEVELING" DECAL	6-1151
8	2	SHOULDER BOLT, 3/8"DIA. x 1"LG.	6-0206
9	2	SAFETY PIN	1-0938
10	2	SAFETY PULLEY	1-0415
11	2	SAFETY SPRING	1-1115
12	8	FLAT WASHER, 5/16"ID x 1"OD x 1/16"THK.	6-0808
13	1	PLASTIC KNOB	6-1135
14	2	SAFETY COVER	3-0439
15	1	SAFETY RELEASE HANDLE	1-1113
16	1	SAFETY DOG, LEFT SIDE	2-0902
17	1	CABLE CONNECTING BRACKET	1-1291
18	1	ACTUATOR MTG. BRACKET	1-1378
19	1	LIMIT SWITCH MTG. BRACKET	2-1143
20	14	WEDGE ANCHOR, M20 x 170 (C/W WASHERS & NUTS)	6-1465
21	4	HEX BOLT, 1/4"-20UNC x 1 1/4"LG.	6-0027
22	4	1/4"ID FENDER WASHER	6-0626
23	4	PLUNGER SPRING	1-0939
24	1	TOWER WELDMENT, LEFT SIDE	4-0381
25	4	PIVOT PLUNGER	1-0745
26	4	GREASE FITTING	6-0000
27	4	ROLL PIN, 1/8"DIA. x 1"LG.	6-0437
28	4	RACK	2-0249
29	4	KNOB	1-0208
30	1	HEX HD. BOLT 1/4"NC x 2"LG.	6-0177
31	1	OUTER ARM TUBE WELDMENT, RIGHT SIDE	3-0561
32	1	OUTER ARM TUBE WELDMENT, LEFT SIDE	3-0562
33	1	SHORT LOCKING ARM ASSEMBLY, RIGHT SIDE	4-0505
34	1	SHORT LOCKING ARM ASSEMBLY, LEFT SIDE	4-0506
35	2	SHORT INNER ARM WELDMENT	2-0192
36	1	OUTER ARM TUBE WELDMENT, RIGHT SIDE	3-0560
37	1	OUTER ARM TUBE WELDMENT, LEFT SIDE	3-0559
38	1	LONG LOCKING ARM ASSEMBLY, RIGHT SIDE	4-0503
39	1	LONG LOCKING ARM ASSEMBLY, LEFT SIDE	4-0504
40	2	INNER ARM WELDMENT	2-0191
41	4	COTTER PIN, 1/8" X 2"LG.	6-0115
42	4	THREADED ROD, 3/8"-16UNC x 1 1/2"LG.	1-1135
44	4	LOW LIFT PAD, NEOPRENE	3-0170
45	4	ARM STOP	1-0263
46	8	HEX BOLT, 1/4"-28UNF x 5/8"LG.	6-0339
47	12	LOCKWASHER, 1/4"ID	6-0056
48	4	ARM PIN	2-0439

ITEM	QTY.	DESCRIPTION	PART #
49	6	HEX BOLT, 5/16"-18UNC x 3/4"LG.	6-0423
50	1	TOWER WELDMENT, RIGHT SIDE	4-0382
51	2	SHOULDER BOLT, 3/8"DIA. x 5/8"LG.	6-0069
52	1	SAFETY COVER w/DECALS, RIGHT SIDE	0-0203
53	1	"SAFETY INSTRUCTIONS" DECAL	6-0594
54	1	SAFETY DOG, RIGHT SIDE	2-0872
55	4	CARRIAGE STOP	1-1119
56	1	"VECTOR" DECAL	6-1278
57	4	HEX NUT, 5/16"-18UNC	6-0294
58	2	SAFETY CABLE PULLEY	1-1116
59	2	SELF TAPPING SCREW, #10 X 3/8"LG.	6-0169
60	1	SAFETY RELEASE CABLE, 275 1/2"	1-1420
61	4	HEX BOLT, 1/2"-13UNC x 1 1/2"LG.	6-0291
62	3	3/8" CLIP	6-1230
63	1	"WARNING" DECAL	6-0595
64	1	"CAUTION" DECAL	6-0592
65	1	"SAFETY RELEASE" DECAL	6-0603
66	2	6/32 SCREW (ELECTRICAL BOX)	6-1466
67	1	"TRONIC" DECAL	6-0480
68	1	SERIAL # TAG	6-1119
69	2	CARRIAGE WELDMENT	4-0421
70	8	GLIDE BEARING	2-0772
71	4	PIVOT PIN	1-0333
72	4	SET SCREW., 1/4"-20UNC X 1/2"LG.	6-0438
74	1	ACTUATOR BAR	1-1380
75	1	FOAM GUARD	6-1404
76	1	CROSSMEMBER WELDMENT	3-0440
77	1	ELECTRICAL UTILITY BOX	6-1403
78	1	MICROSWITCH	6-0916
79	1	ACTUATOR EXTENSION	1-1379
80	1	CABLE CONNECTOR	6-1133
81	1	ELEC. CABLE 16/3 x 129"LG.	6-1467
82	7	HEX HD. NUT 1/4"NC	6-0032
83	3	HEX HD. BOLT 1/4"NC x 3/4"LG.	6-0178
84	6	LOCKWASHER 1/4" DIA	6-0056
85	1	"WHEEL" DECAL	6-0478
86	8	HEX BOLT, 1/2"-13UNC x 2 1/4"LG.	6-0315
87	1	SAFETY COVER w/DECALS, LEFT SIDE	0-0204
88	4	FLAT WASHER, 5/16" I.D.	6-0295
89	4	LOCKWASHER, 5/16" I.D.	6-0296
90	1	SHOULDER BOLT, 3/8"DIA. x 1 1/4"LG.	6-0908
91	1	TOE GAURD, RIGHT SIDE (REAR)	3-0516
92	1	TOE GAURD, LEFT SIDE (REAR)	3-0517
93	1	SHOULDER BOLT, 5/16"DIA. x 1/4"LG.	6-0185
94	4	FLAT WASHER, 1/4" I.D.	6-0060
95	1	TOE GAURD, R.S. (FRONT)	2-1007
96	4	HEX BOLT, 1/4"-20UNC X 3/4"LG.	6-0178
97	1	TOE GAURD, L.S. (FRONT)	2-1180
99	3	HEX HD. BOLT, 1/4" x 1 1/4"LG.	6-0027
100	1	ANGLE BRACKET	2-1477

TWIN POST 8144 VECTOR HYDRAULICS



TWIN POST 8144 VECTOR HYDRAULIC PART LIST

ITEM	QTY.	DESCRIPTION	PART #
1	2	ELBOW BULKHEAD 90°, 3/8"JIC-3/8"JIC	6-0012
2	1	ADAPTER, 3/8"NPT - 3/8"JIC x 2 1/4"LG.	6-0345
3	1	UNION, 3/8"JIC MALE	6-0286
4	1	GLAND SEAL KIT, RIGHT SIDE	0-0162
5	2	LOCKWASHER, 1/4" I.D.	6-0056
6	1	HYDRAULIC TUBE ASSEMBLY	2-0960
7	1	PISTON TUBE, RIGHT SIDE	2-0801
8	1	HYDRAULIC CYLINDER ASS'Y, RIGHT SIDE	3-0430
9	1	TEE, 3/8" SWIVEL NUT JIC MALE	6-0284
10	1	CAP, 3/8"JIC	6-0021
11	3	ALLEN HD. SETSCREW, 1/4"-20UNC x 3/8"LG.	6-0580
12	1	PISTON	2-0619
13	1	PISTON SEAL KIT, RIGHT SIDE	0-0159
14	1	KEEPER WASHER	1-0725
15	1	HYDRAULIC TUBE ASSEMBLY	1-0102
16	2	SHOULDER BOLT, 1/2" x 5/8"LG.	6-0425
17	1	HYDRAULIC TUBE ASSEMBLY	2-1140
18	2	ELBOW 90°, 9/16"SAE M-3/8"JIC M	6-0804
19	4	HEX BOLT, 5/16"-18UNC x 1"LG.	6-0293
20	8	FLAT WASHER, 5/16"ID	6-0061
21	1	POWER PACK	6-1146
22	1	"LIFT OPERATION" DECAL	6-1265
23	2	HEX HD. BOLT 1/4" 20UNC x 1 3/4"LG.	6-0028
24	1	FELT STRIP	1-0734
25	1	HYDRAULIC HOSE ASSEMBLY	1-1341
27	1	HYDRAULIC TUBE ASSEMBLY	2-0886
28	1	VELOCITY FUSE, 4GPM	6-0422
29	1	HYDRAULIC VALVE BLOCK	6-1362
30	1	HYDRAULIC TUBE ASSEMBLY	2-0961
31	1	BRANCH "T" JIC ALL ENDS	6-1372
32	1	CYLINDER BARREL WELDMENT, LEFT SIDE	3-0428
33	1	UNI-TORQUE LOCKNUT, 7/8"-9UNC	6-0631
34	1	PISTON SPIGOT	2-0521
35	1	PISTON SEAL KIT, LEFT SIDE	0-0160
36	1	PISTON ROD WELDMENT, LEFT SIDE	2-0793
37	1	GLAND SEAL KIT, LEFT SIDE	0-0206
38	1	HYDRAULIC CYLINDER ASS'Y, LEFT SIDE	4-0289
39	1	HYDRAULIC TUBE ASSEMBLY	2-0879
40	2	CIRCLIP	6-0340
41	1	CYLINDER BARREL WELDMENT, RIGHT SIDE	2-0802
42	4	LOCKWASHER, 5/16"ID	6-0674
43	4	HEX NUT, 5/16"-18UNC	6-0294
44	7	ROUND HD. BOLT, 1/4"-20UNC x 3/8"LG.	6-1353
45	7	TUBE CLAMP	6-0170
46	1	HYDRAULIC TUBE ASSEMBLY	2-0887
51	1	ADAPTER, 1/4" NPT, M - 1/4" JIC M	6-0281
53	2	ADAPTER, 1/4"NPT MALE - 3/8"JIC MALE	6-0276
58	1	CONTACTOR CONTROL BOX	6-1418
59	1	CONTACTOR BRACKET	2-1130
60	2	HEX HD.BOLT, 1/4"-20UNC x 1"LG.	6-0008
61	2	LOCK WASHER, 1/4"ID.	6-0056
62	2	FLATWASHER. 1/4"ID.	6-0060
63	2	HEX NUT, 1/4"-20UNC	6-0032