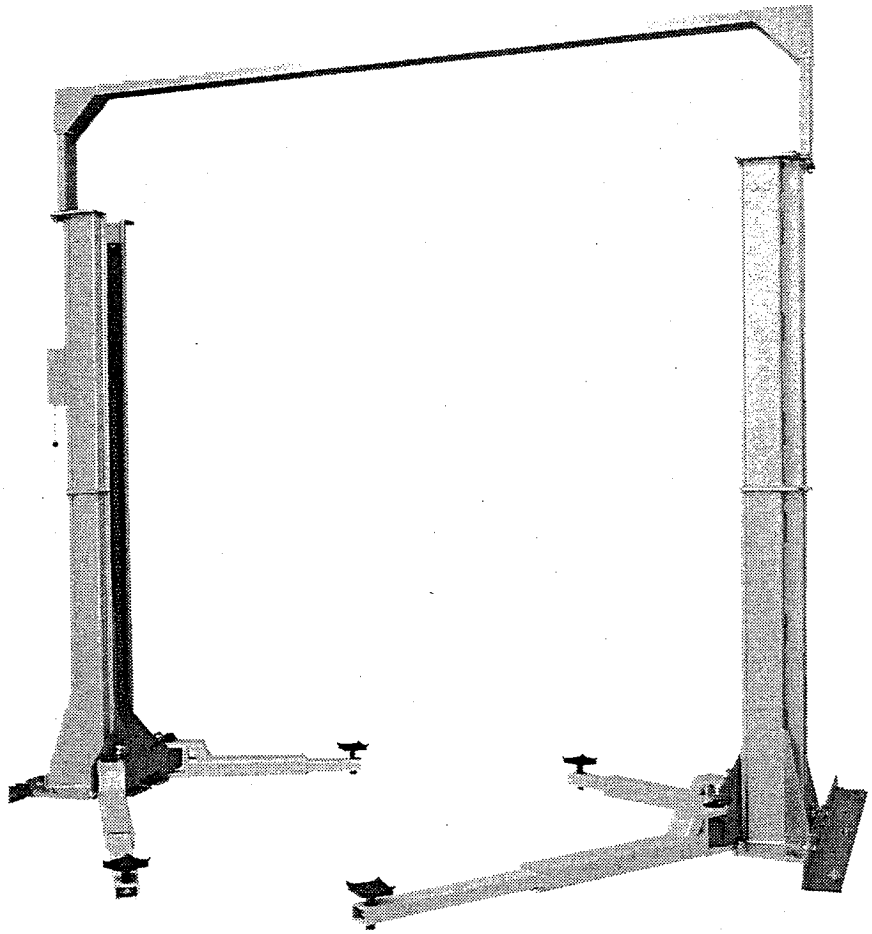
-675-

TWIN POST 7012



(7000lb)

INSTALLATION AND OPERATION MANUAL

SAVE THESE INSTRUCTIONS
READ ALL INSTRUCTIONS

WHEELTRONIC LTD.
1125 AEROWOOD DRIVE, MISSISAUGA, ONTARIO L4W 1Y6
TEL:(905) 238-0909 • FAX (905) 238-9061

6-0946

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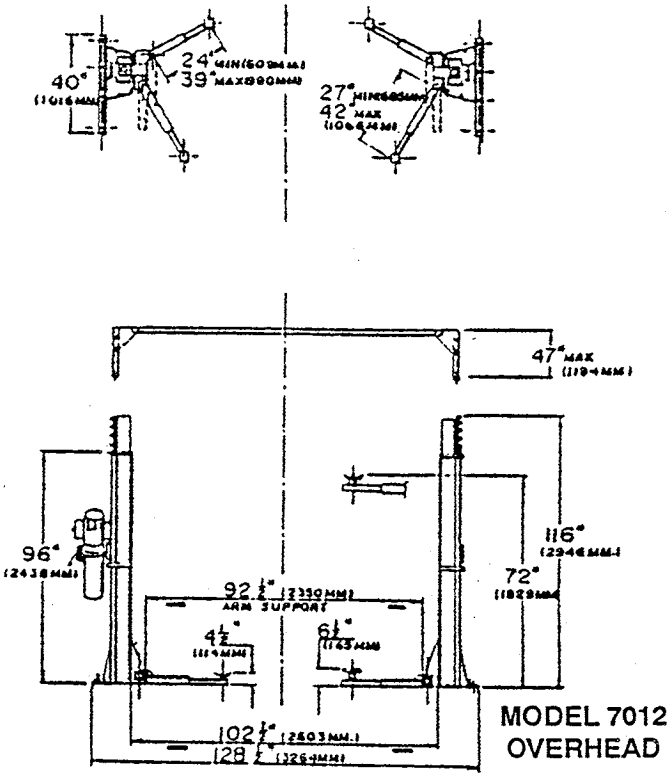
1. MODEL 7012 SPECIFICATIONS

*Capacity - 7,000 lbs.
*Overall Width - 128 1/2"
*Width Between Columns - 102 1/2"
*Drive Through Width - 92 1/2"
*Overall Height - 143"
*Height of Lift Pads Lowered - 4 1/2"
*Height of Lift Pads Raised - 6 1/2"
*Maximum Lifting Height - 72"
*Lift Time - 45 seconds
*Front Arm Extension - 24" to 39"
*Rear Arm Extension - 27" to 42"
*Motor - 2HP, 220 V, Single Phase
*Shipping Weight - 1870 lbs.



MODEL 7012
OVERHEAD

2. CONTENTS

The complete Model 7012 Twin Post Lift is contained in Two (2) packages, the main structural components are packed in an "angle iron frame", the remaining items come in an accessory box.

Main Structural Components:

1 - Left side tower and carriage assembly
1 - Right side tower and carriage assembly
1 - Left side extension bracket
1 - Right side extension bracket
1 - Cross over hydraulic line (3 pcs.)
1 - Crossmember

Accessory box items:

2 - Short front telescopic arms c/w arm pins
2 - Long rear telescopic arms c/w arm pins
4 - Arm riser pads - (checker plate)
2 - Tower stabilizer legs (3" x 3" x 40")
1 - Power Pack c/w safety shut off and hydraulic fitting assembly
1 - Safety shut off cable
16 - 3/4" x 4 3/4" lg. concrete anchor bolts
1 - Set of shim stock (16 pcs. 3" x 3" x 1/16", 16 pcs. 3" x 3" x 1/8")
1 - Safety release handle c/w knob
1 - Safety Cable
1 - Package of hardware, complete with its own manual

3. TOOLS REQUIRED

- rotary hammer drill
- 3/4" concrete drill bit
- 2' level, 4' level
- set of wrenches
- ball peen hammer
- bleeder hose (16")
- crow bar (for shim installation)
- side cutters
- chalk line
- tape measure 16'
- phillips screwdriver
- step ladder 10'

4. INSTALLATION INSTRUCTIONS

When the Model 7012 Wheel Free TWIN POST HOIST arrives on site please read the installation instructions and gather the tools and material required for installation.

Unpacking Procedure

1. The hoist will arrive in two (2) packages, a 29" x 24" x 110" package and a 13' x 19" x 42" accessory box.

2. IMPORTANT - PLACE THE PACKAGE CONTAINING THE MAIN STRUCTURAL MEMBERS ON WOODEN BLOCKS - THESE MUST BE PLACED UNDER THE TOWERS TO ENABLE YOU TO REMOVE THE ANGLE IRON PACKING FRAMES.

3. Remove the banding holding the over head crossmember to the towers.

4. Remove the over head crossmember, extension brackets and hydraulic lines.

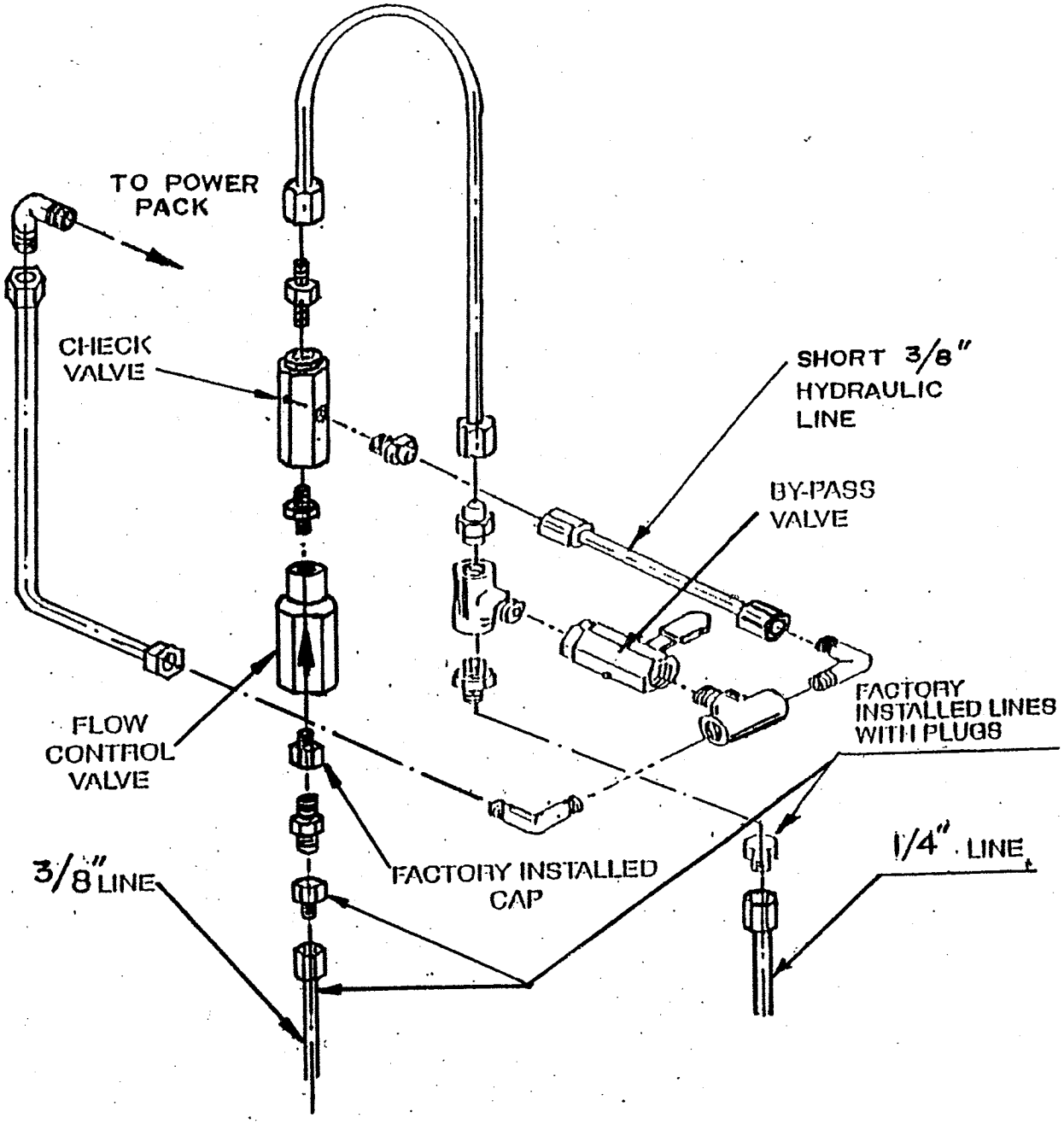
5. Remove the angle iron frames.

6. Place the towers on the floor, with the carriage side up, remove the steel bands, packing material and all wooden shipping blocks.

7. Prepare the bay by selecting the location of the hoist relative to the walls. Draw a chalk line on the floor to represent the center line of the bay and a second chalk line crossing at 90 degrees for locating the hoist towers. See Figure 1.

FIGURE 2

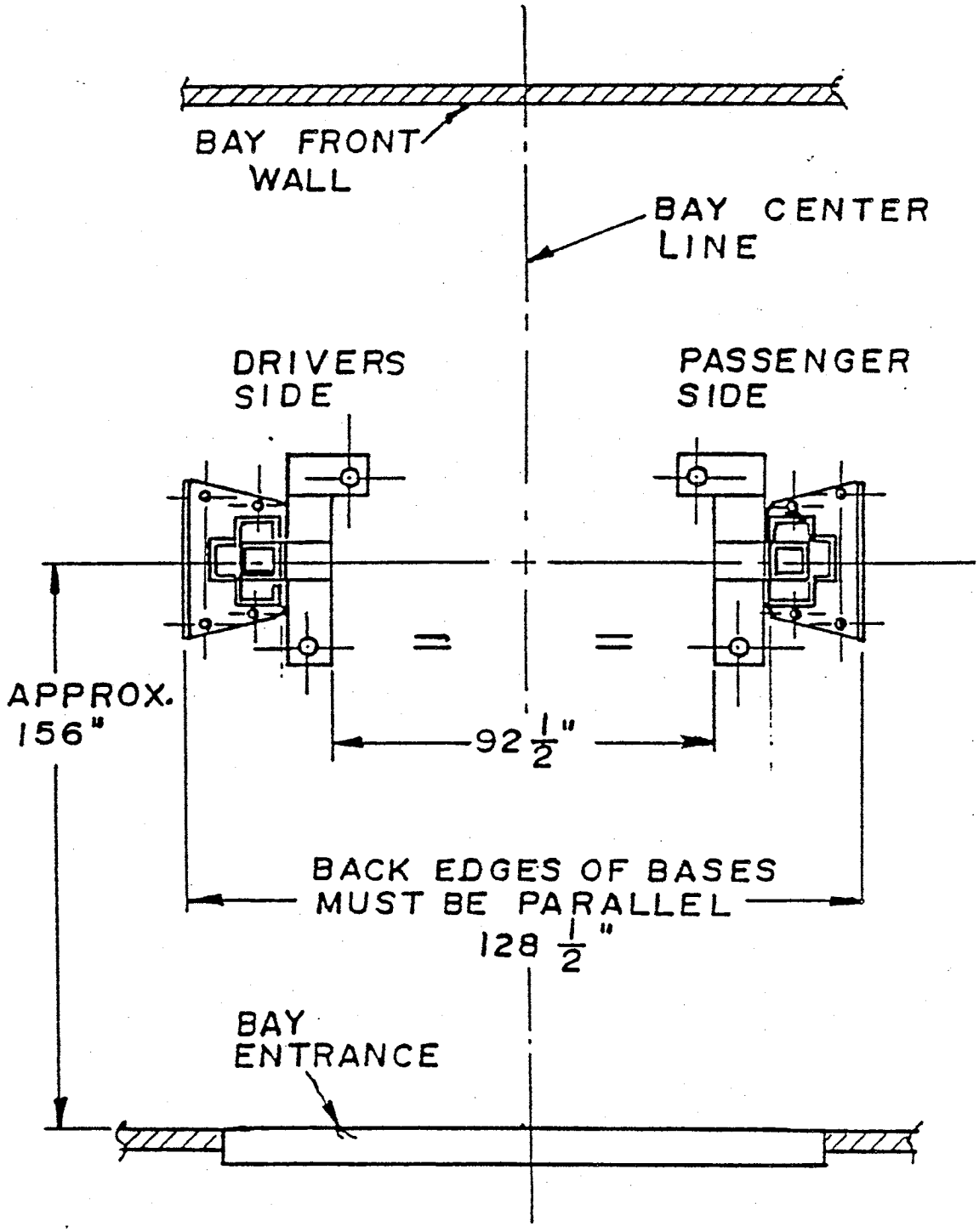
HYDRAULIC FITTING ASSEMBLY



NOTE: DO NOT REMOVE PLUGS OR CAPS
UNTIL INSTRUCTED TO DO SO.

MODEL 7012

FIGURE 1



BAY LAYOUT

NOTE: THE HYDRAULIC SYSTEM HAS BEEN PRE-CHARGED WITH ISO 32 HYDRAULIC FLUID. There are CAPS on the hydraulic lines DO NOT REMOVE ANY CAPS UNTIL INSTRUCTED TO DO SO.

Tower Positioning and Set Up

1. Erect the Left Side Tower (tower with the motor bracket) and the Right Side Tower to the relative positions as shown on Figure 1. Check the 92 1/2 inch dimension.

Over Head Crossmember Installation

2. Locate the three pieces that make up the over head crossmember assembly.

3. Install the left side extension on top of the left tower using two (2) each of 1/2" x 13 UNC x 1 3/4" lg. hex head bolts, lock washers and nuts.

4. Install the right side extension on top of the right tower using two (2) each of 1/2" x 13 UNC x 1 3/4" lg. hex head bolts, lock washers, and hex nuts.

5. Use a ten (10) foot step ladder to install crossmember. Raise one end of the crossmember weldment and fasten using one (1) of each 1/2" - 13UNC x 5 1/2" lg. hex bolt, lock washers and hex nuts.

6. Raise the other end of the crossmember weldment and fasten it using two (2) of each 1/2 - 13 UNC x 5 1/2" lg. hex bolts, lock washers and hex nuts. Note: do not tighten bolts.

7. GO back and install remaining 1/2" - 13 UNC x 5 1/2" lg. hex bolt, lock washer and hex nut onto the crossmember.

8. Bolt tower stabilizer legs (3 x 3 channels - 40" long) to the tower base. Use four (4) of each on both stabilizer legs 1/2" x 13 UNC x 13/4" lg. hex head bolts, lock washers and hex nuts. Tighten the bolts for the stabilizer legs. Be sure long extension of the stabilizer legs point to the rear of the hoist. See Figure 1.

9. Check distance between stabilizer legs to ensure that towers are parallel. See Figure 1.

10. Tighten the bolts fastening the crossmember to the extensions brackets.

ELECTRICAL WIRING SCHEMATIC

1. A certified electrician must connect the 220 volt/ single phase power to the Power Pack motor. A wiring diagram is provided. See Figure 3 (optional 230 volt / three phase and 575 volt / three phase power).

ELECTRICAL DIAGRAM

FIGURE 3

ELECTRICAL DIAGRAM 220V/1PH

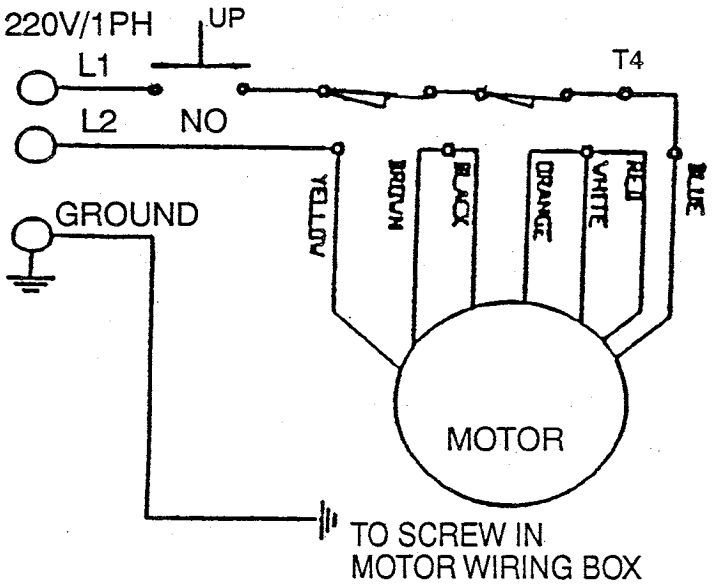
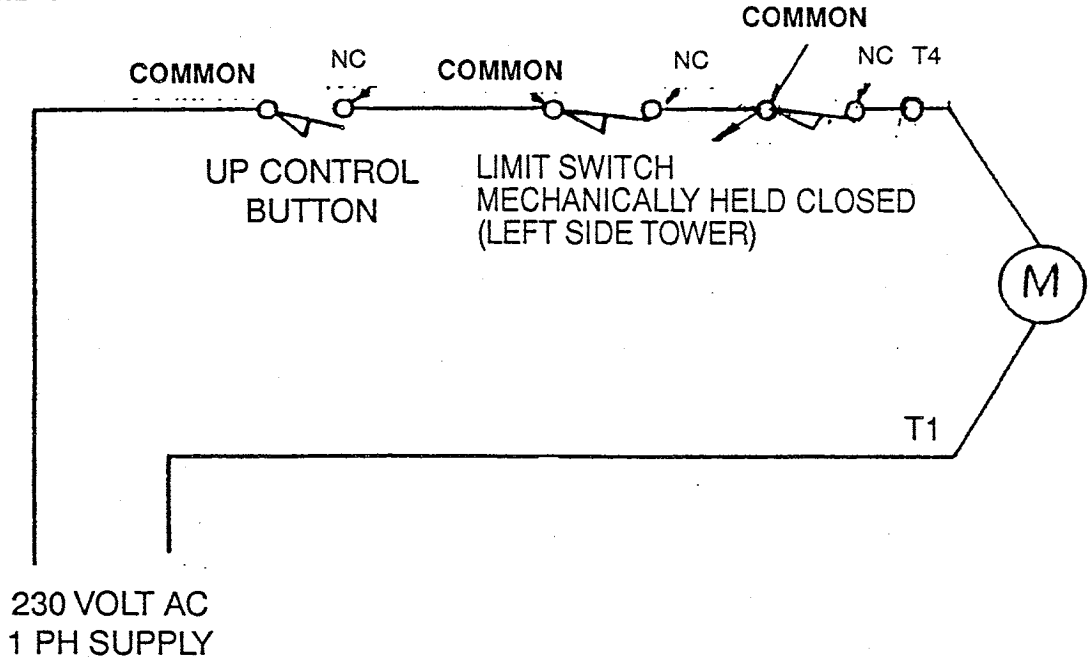


FIGURE 4

ELECTRICAL SAFETY SHUT-OFF WIRING DIAGRAM



SAFETY SHUT OFF CABLE INSTALLATION

NOTE: THE ELECTRICAL SAFETY SHUT OFF MICRO SWITCH IS PRE-WIRED. SEE FIGURE 4 (for electrical wiring) AND FIGURES 5A AND 5B (installation and adjustment of the safety shut off cable).

1. The safety shut off switch is pre-wired to the power pack.

2. Remove the plunger and cable assembly from the micro switch and box.

3. Remove the lock nut and flat washers from the threaded end of the plunger.

4. Place the lock nut and one (1) flat washer onto the actuator of the micro switch.

5. Hold the lock nut and flat washer in place while installing the micro switch from the outside of the left side extension bracket.

6. Place one (1) flat washer onto the threaded end of the plunger cable assembly.

7. While holding the flat washer onto the plunger cable assembly, turn the plunger onto the threaded end of the micro switch.

8. Before tightening, install the held flat washer and lock nut onto the threaded end of the plunger cable assembly. Note: the two (2) flat washers should sandwich the extension bracket as shown in Figure 5A and 5B.

9. Tighten the plunger to the micro witch.

10. Tighten the lock nut to hold the complete assembly in place. **CARE MUST BE TAKEN NOT TO LOOSEN THE PLUNGER ASSEMBLY FROM THE MICRO SWITCH WHEN TIGHTENING THE LOCK NUT.**

11. Install the threaded eyelet end of the cable through the hole in the right side extension bracket.

12. Install the 5/16" hex nut onto the threaded end of the adjusting screw.

SAFETY SHUT OFF CABLE ADJUSTMENT

1. Hold the eyelet end of the bolt and adjust the nut to allow for 3/16" of cable movement.

2. The hoist will operate until the safety cable is pushed on by a vehicle then the micro switch will actuate and electrically disengage the power supply to the power pack.

3. NOTE: The safety cable shut off must be checked before attempting to raise a vehicle on the hoist and adjusted if required. The hoist should be completely installed before checking the safety cable shut off operation.

FIGURE 5A

SAFETY SHUT-OFF CABLE ADJUSTMENT 7012

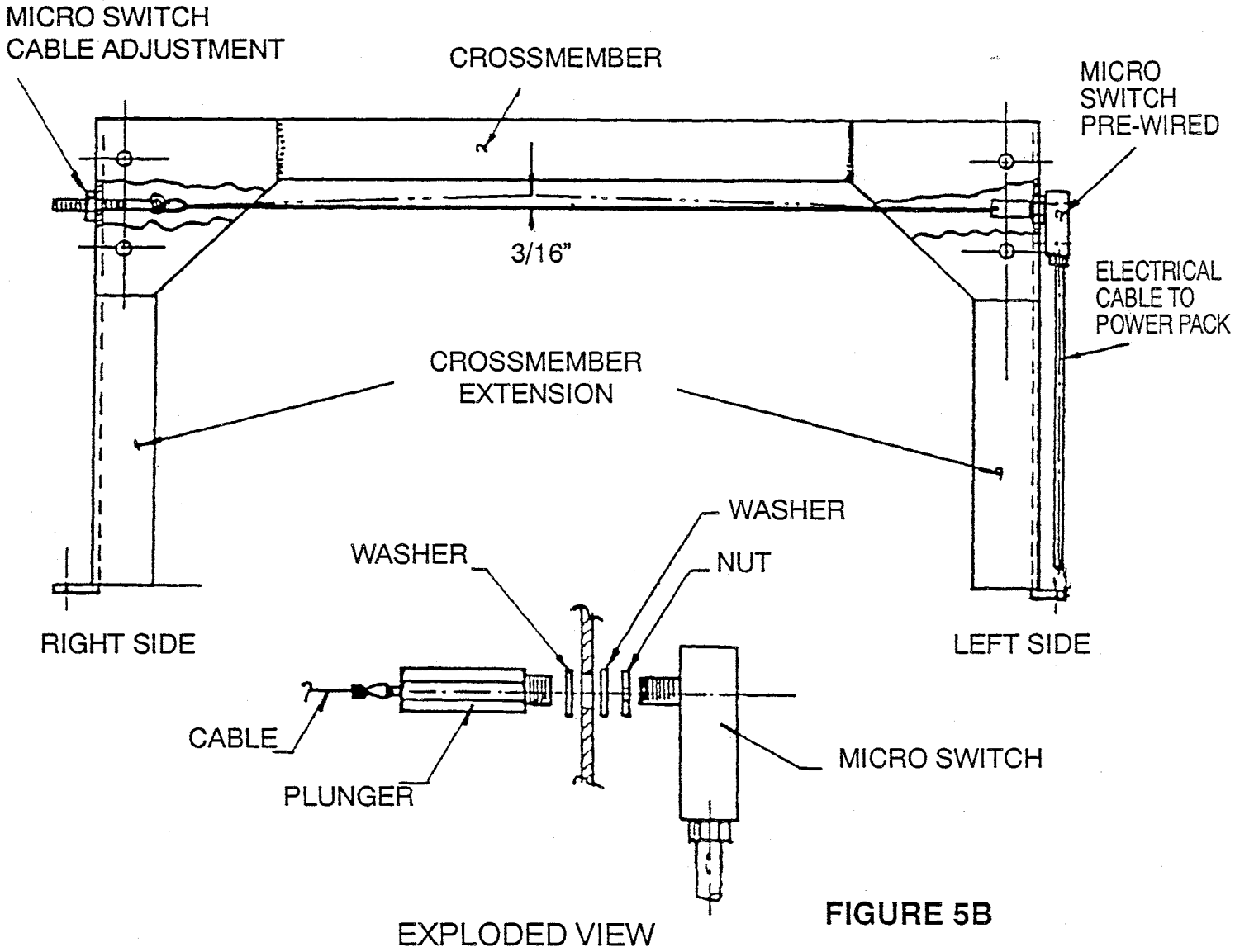


FIGURE 5B

HYDRAULIC SYSTEM BLEEDING PROCEDURE

1. Remove the 3/8" hydraulic line from the valve assembly (part #1-0281), from Figure 2.)

2. Install the 3/8" hydraulic cap (from Step 11 of Page 6) to the 90 degree elbow end, (where the hydraulic line was removed from in Step 1 of the Page).

3. **OPEN THE BY-PASS VALVE,** by turning the handle "in line" with the body of the valve. Remove the **3/8" PLUG** on the bleeder line coming up from the rear of the base of the right side tower.

4. Connect a bleeder hose from the bleeder line at the base of the right side tower into the filler neck of the power pack reservoir or into a clean container.

5. Run the motor up by pressing the push button in, continue to bleed until clear hydraulic fluid comes out of the bleeder hose. Continue to bleed approximately one (1) gallon of fluid through the system. **NOTE:** Continue bleeding system if bubbles can be seen coming out with fluid.

6. Remove the bleeder hose and reinstall the steel bleeder plug into the bleeder line at the base of the right side tower and tighten securely.

7. **WITH THE BY-PASS VALVE OPEN,** (in line with the body of the valve) run the motor as if to raise the hoist up. Raise the right carriage up six (6) inches.
NOTE: Only the right side carriage will go up.

8. Depress the lowering control valve on the side of the power pack pump to lower the right carriage.

9. Repeat steps 7 and 8 six(6) times.

10. **CLOSE THE BY-PASS VALVE,** (the handle will form a "T" with the body of the valve).

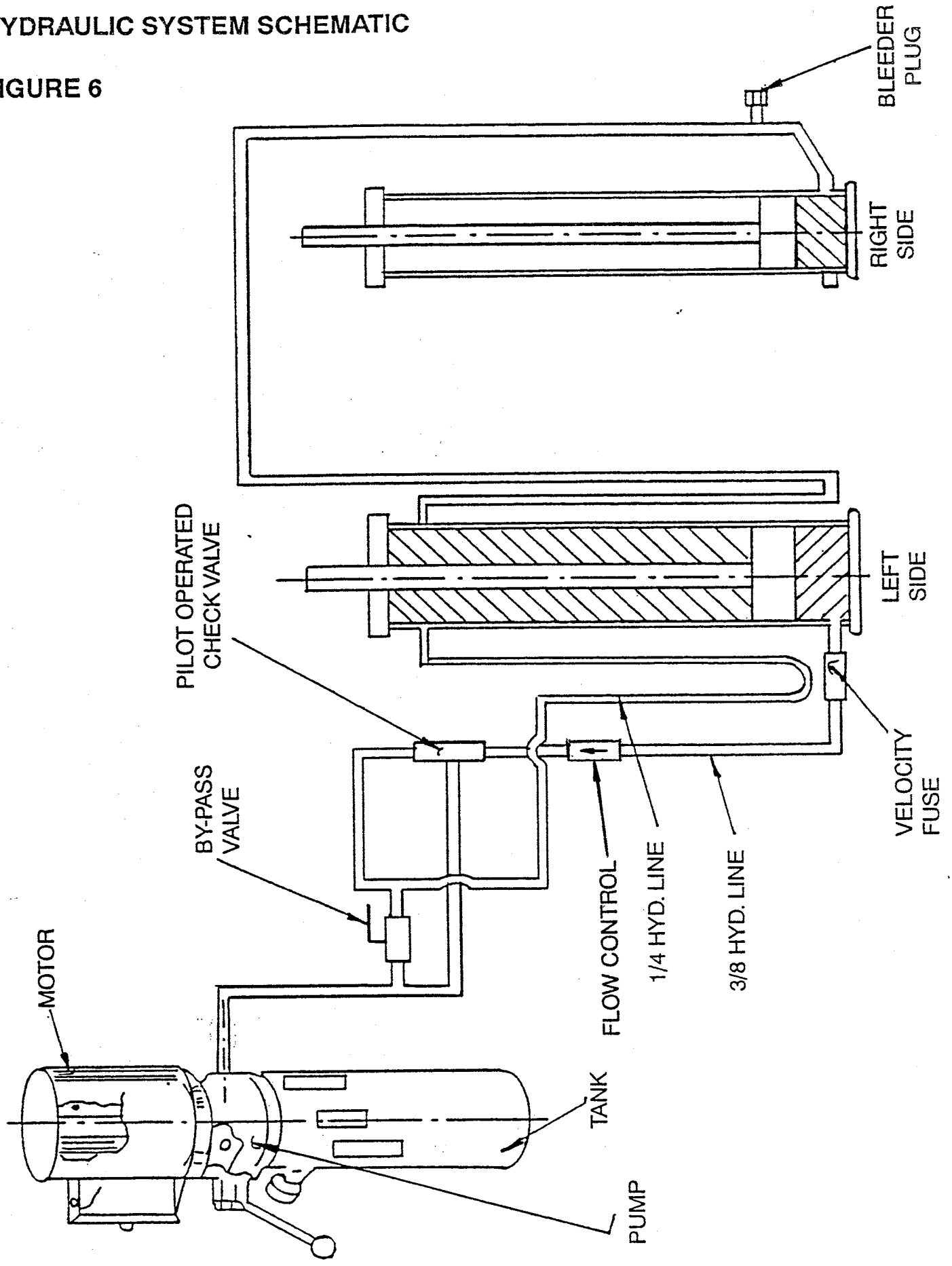
11. Remove the 3/8" hydraulic cap (from Step 2 on this page).

12. Reinstall the short 3/8" hydraulic line into the hydraulic valve assembly (part #1-0281 from Figure 2).

13. Run the motor up to raise the hoist, raise the hoist six (6) inches and lower completely to the floor. Repeat this step six (6) times.

HYDRAULIC SYSTEM SCHEMATIC

FIGURE 6



HYDRAULIC LEVELING PROCEDURE

1. Open the by-pass valve and raise the hoist six (6) inches.

2. Close the by-pass valve and continue to raise the hoist until the Left Side safety lock engages on the first safety lock of the safety ladder, (the left side should be approximately 23" off of the floor).

3. Lower the hoist until the Left Side just touches the safety stop of the ladder. STOP! See Figure 7. NOTE: Do not continue to hold the down control lever.

4. Open the by-pass valve and depress the down control lever.

5. NOTE: Only the right side carriage will come down and lock into the second safety stop.

6. Close the by-pass valve. The system has now been hydraulically leveled.

MECHANICAL SAFETY RELEASE CABLE INSTALLATION

NOTE: THE HOIST MUST BE IN THE FULLY LOWERED POSITION TO INSTALL THE SAFETY CABLE.

1. Start with the looped end of the safety cable.

2. Remove the 5/16" hex nut and 3/8" Dia. x 1 1/2" lg. shoulder bolt from the safety dog weldment on the rear of the right side tower.

3. Install the shoulder bolt through the looped end of the safety cable, and reinstall the shoulder bolt and hex nut onto the right side safety dog weldment.

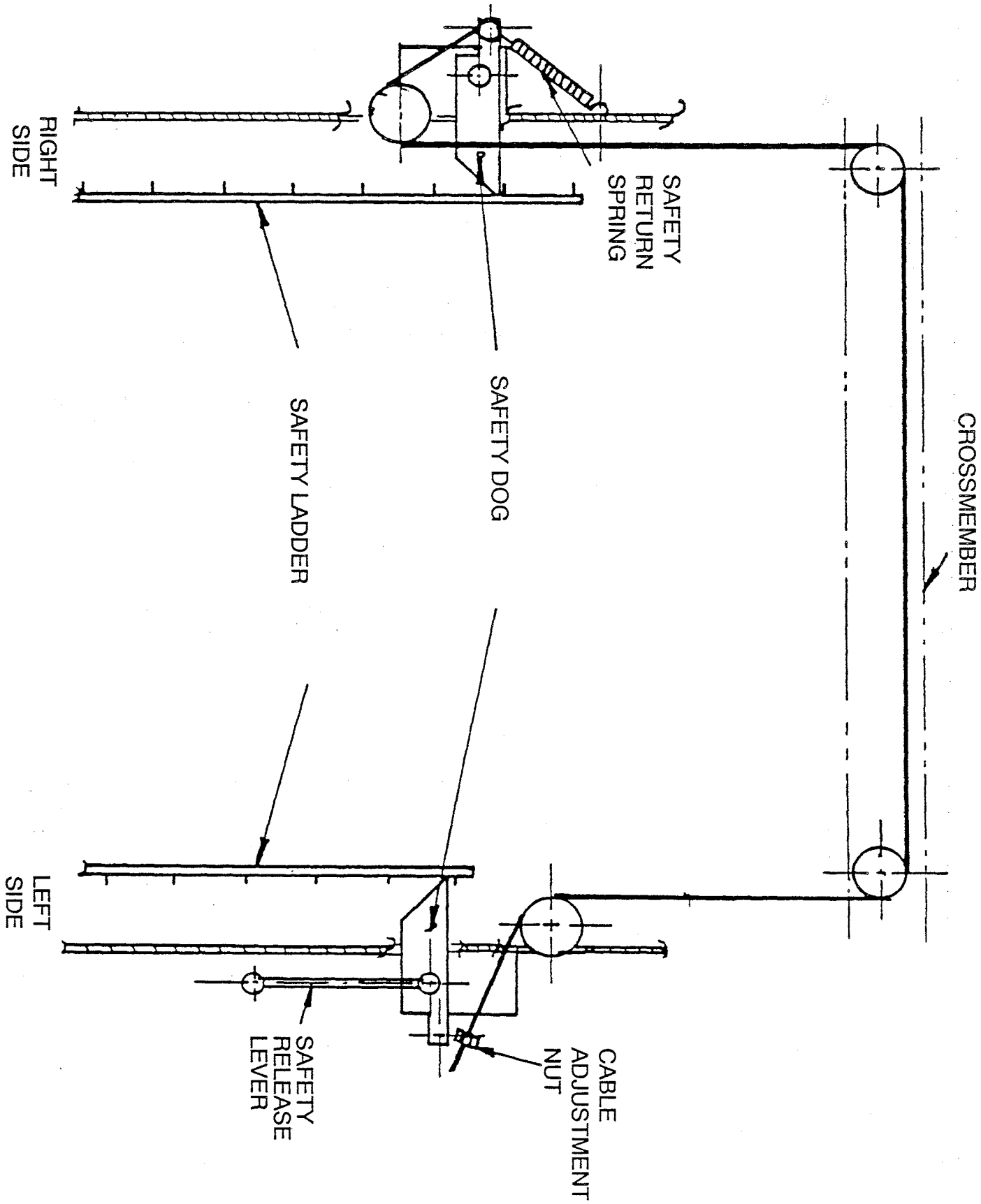
4. Run the threaded end of the safety cable under the plastic pulley on the right tower and up over the plastic pulley on the right side of the crossmember.

5. Install the safety cover over the right side safety using the two (2) #10 x 1/2" lg. self taping screws.

6. Continue to run the threaded end of the safety cable up over the plastic pulley on the left side of the crossmember and down to the plastic pulley on the left side tower.

SAFETY CABLE ROUTE 7012

FIGURE 7



7. Run the threaded end of the safety cable under the plastic pulley on the left tower and out through the safety slot cut out on the back of the tower.

8. NOTE: Place 1/4" hex nut on either side of the "L" shaped safety link. Do not adjust the cable until the unit is completely operational. Do not install the safety cover over the left side safety until the safety has been adjusted.

MECHANICAL SAFETY RELEASE CABLE ADJUSTMENT

1. Install the safety release handle onto the safety release dog on the rear of the left side tower, using the flat washer and cotter pin supplied.

2. Raise the hoist up off of the safety stop and adjust the threaded end of the safety cable so that both the left and right side safety dogs released together.

3. Tighten the 1/4" hex nuts on either side of the "L" shaped safety link.

4. Operate the hoist up and down, inspecting the safety engaging and disengaging.

5. Install the safety cover over the left side safety assembly using two (2) #10 x 1/2" self taping screws.

FIGURE 8A
ARM POSITION

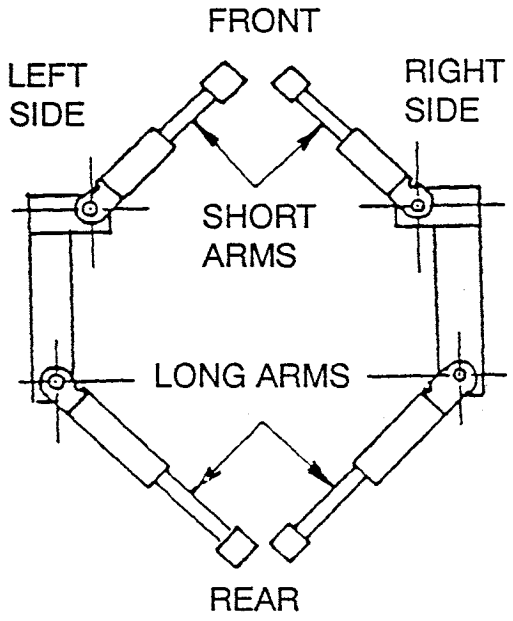
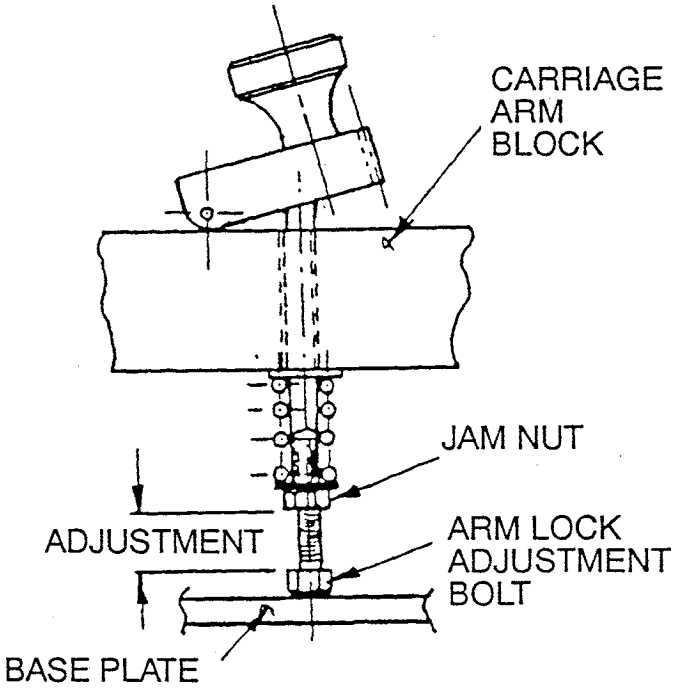


FIGURE 8B
LOCKING MECHANISM



INSTALLATION OF TELESCOPIC ARMS

1. Locate the four (4) arm assemblies. Two (2) short locking arms and two (2) longer locking arms.

2. Remove the 5/16" x 18 UNC x 3/4" hex head bolts that are locking the arm pins into the arms.

3. Remove the arm pins from the arms.

4. **NOTE:** Each locking arm has a semi circle cut out at the end of the gear teeth. Position the semi circle cut outs toward the inside of the hoist when the arms are in the drive through position.

5. Install the telescopic arms on the carriages, the short arms go onto the short side of the "L" shaped arm support and the long arms go onto the long side of the "L" shaped arm support. See Figure 8A.

6. Reinstall the arm pins through the arm and arm support.

7. Reinstall the 5/16" x 18 UNC x 3/4" hex head bolts to lock the arm pins into the arms.

ARM LOCK ADJUSTMENT

1. The arm locks are designed to automatically disengage when the lift is fully lowered, the arm lock adjustment bolt should be set and locked in position by the jam nut at the time of installation.

2. **NOTE:** The arm lock bolt will contact the base plate of the tower weldments and disengage. See Figure 8B.

SHIMMING AND ANCHORING PROCEDURE

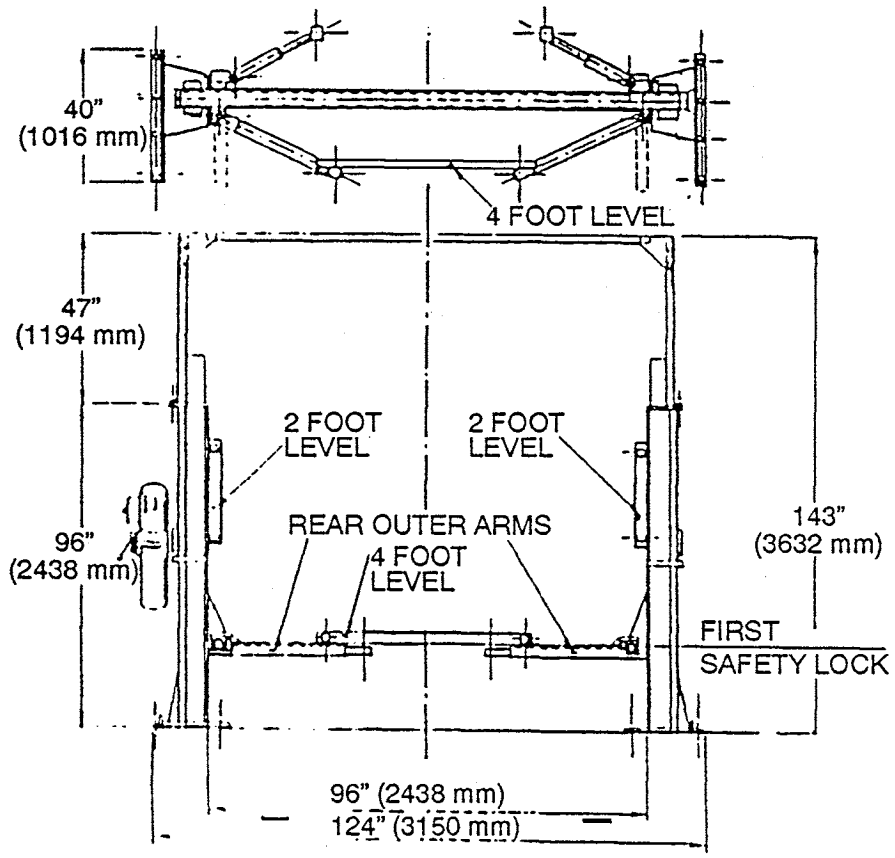
LIFTS SHOULD ONLY BE INSTALLED ON LEVEL CONCRETE FLOORS, WITH A MINIMUM THICKNESS OF FIVE (5) INCHES. CONCRETE MUST HAVE A MINIMUM TENSILE STRENGTH OF 4,000 PSI, AND SHOULD BE AGED 30 DAYS PRIOR TO THE INSTALLATION OF THE LIFT.

CAUTION-CORRECT USE OF WEDGE ANCHORS BOLTS

The anchors supplied allow for the thickness of the base plate
PLUS A MAXIMUM OF ONE (1) INCH OF SHIM STOCK.

DO NOT USE ANCHORS SUPPLIED IF MORE THAN ONE (1) INCH OF SHIM STOCK IS USED.

FIGURE 9
SHIMMERING AND ANCHORING PROCEDURE



MODEL 7012
OVERHEAD

1. **NOTE: Both towers must be on the same plane or elevation and be perpendicular (ie. straight up and down).**

2. Check the distance between the stabilizer legs to ensure that the towers are parallel.

3. Swing the arms assemblies in. See Figure 8A.

4. Raise the hoist up and lower so that the left side is on the first safety off of the floor.

5. Position a four (4) foot level across the arms to determine the high side tower.

6. Using a rotary hammer drill with a 3/4" drill bit, drill the hole locations in the base and angle support of the high side tower.

7. Install anchor bolts in the high side tower. Do not tighten.

8. Use a two (2) foot level on the faces of the tower channel. Shim the high side tower, so that the tower is vertical front-to-back and side-to-side.

9. Tighten the anchors.

10. Using a rotary hammer drill with a 3/4" drill bit, drill the hole locations in the base and angle support of the low side tower.

11. Install anchor bolts in the low side tower. Do not tighten.

12. Shim the low side tower, so that both towers are on the same plane or elevation.

13. Place a two (2) foot level on the faces of the channel. Shim until the tower is straight up and down front- to back and side-to-side.

14. Tighten the anchors of this tower.

15. RECHECK THE FOUR (4) FOOT LEVEL ON THE LONG ARM ASSEMBLIES TO MAKE CERTAIN THAT THE HOIST IS LEVEL. RECHECK THE LEVEL OF THE TOWERS - add shim if necessary and recheck.

HYDRAULIC LEVEL ADJUSTMENT

Should your lift come out of synchronization, ie. one carriage is high the the other, it is necessary to level the lift hydraulically.

This can be done by following the procedure entitled "Hydraulic Leveling Procedure" steps 1 through 6 on page 12.

If you require additional assistance contact your service representative in your local area or call WHEELTONIC INC.

SAFETY AND OPERATION INSTRUCTIONS

1. Inspect your hoist daily. Do not operate if it malfunctions or has damaged parts.

2. Never attempt to overload the hoist. The manufacturer's rated capacity is shown on the instruction label on the Power Pack.

3. Operating controls, are designed to function automatically. Do not override them.

4. Only trained and authorized personnel should operate the hoist. Do not allow customers or bystanders to operate the hoist or be in the hoist area.

5. Position the lift support pads to contact the vehicle manufacturer's recommended lifting points. Raise the hoist until the pads contact vehicle. Check pads for secure contact with the vehicle, then raise the hoist to the desired working height.

6. **Caution, never work under the hoist unless the mechanical safety locks are engaged.**

7. Note that the removal or installation of some vehicle parts may cause a critical 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.

8. Always keep the hoist area free of obstruction and debris, grease and oil spills should always be cleaned up immediately.

9. Never raise a vehicle with passengers inside.

10. Before driving vehicle between 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 hoist and/or the vehicle.

11. Before removing the vehicle from the hoist area, position the arms to the drive through position to prevent damage to the hoist and/or vehicle.

RECOMMENDED MAINTENANCE INSTRUCTIONS

1. Inspect the hoist daily, to assure the mechanical safety is operating correctly.

2. Check the telescopic arms for movement, clean and remove grease and oil from the lifting pads.

3. Raise and lower the lift at the beginning of each shift, without a vehicle on it, to verify lift is operating properly.

4. Lubricate safety dog mechanism with WD-40, monthly.

5. Check hydraulic level daily.

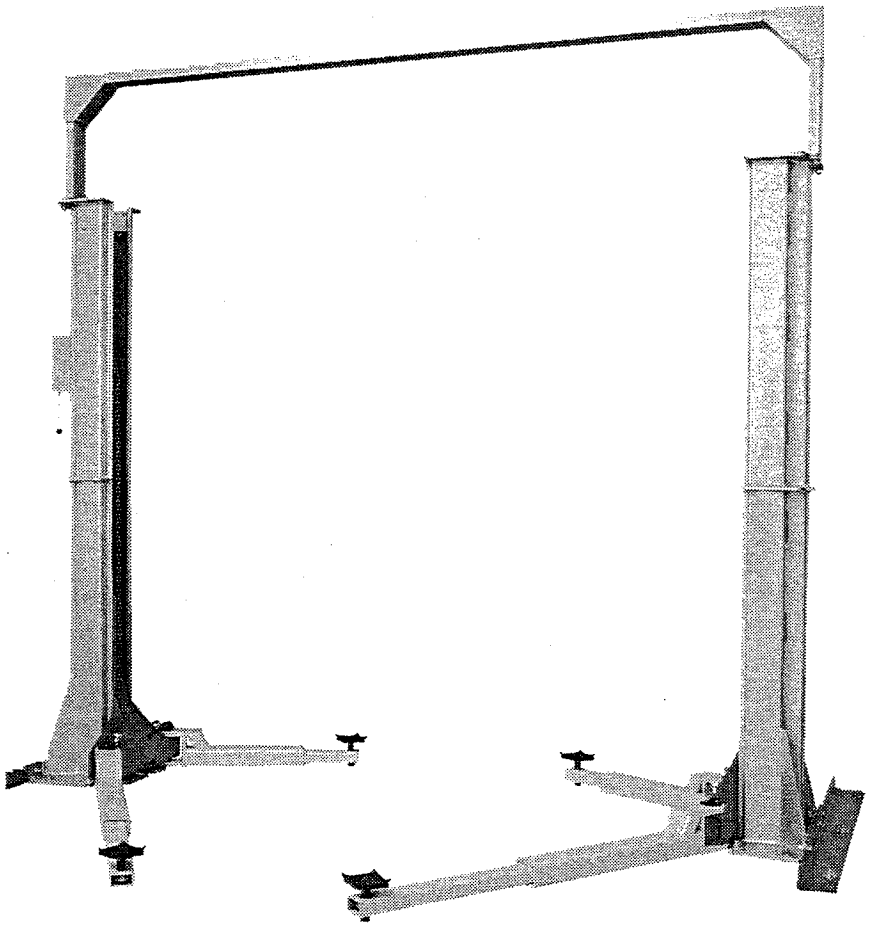
6. Adjust hydraulic level monthly or as required.

7. Lubricate the wheel chain and chain of both the left side and right sides as required but not less than once a month.

8. Check and adjust chain every six (6) months.

9. Check and adjust safety shut off cable, once a month or as required.

TWIN POST 7012

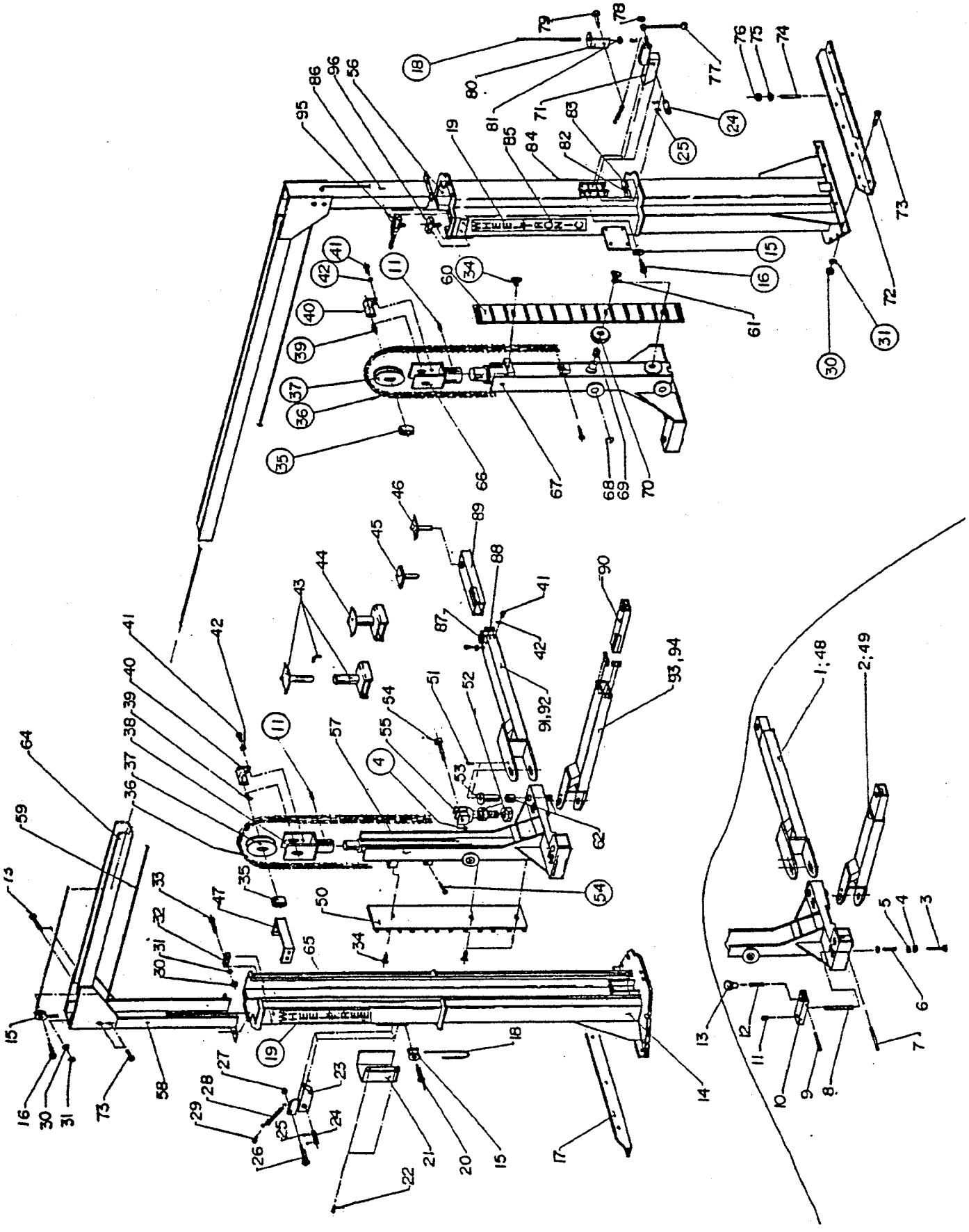


PARTS MANUAL

SAVE THESE INSTRUCTIONS
READ ALL INSTRUCTIONS

WHEELTRONIC LTD.
1125 AEROWOOD DRIVE, MISSISAUGA, ONTARIO L4W 1Y6
TEL:(905) 238-0909 • FAX (905) 238-9061

TWIN POST HOIST
MODEL7012



TWIN POST ASSEMBLY MODEL 7012

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	4-0165	1	MEDIUM LOCKING ARM ASSEMBLY (R.S.)
2	4-0263	1	SHORT LOCKING ARM ASSEMBLY (RIGHT SIDE)
3	6-0901	4	HEX BOLT 1/4" - 20 UNC x 1" LG.
4	6-0032	8	HEX NUT 1/4" - 20 UNC
5	6-0060	4	FLAT WASHER 1/4" I.D.
6	1-0939	4	PLUNGER SPRING
7	1-0333	4	PIVOT PIN
8	1-0334	4	PIVOT PLUNGER
9	6-0437	4	ROLL PIN, 1/8" x 1" LG.
10	2-0249	4	RACK
11	6-0438	6	SET SCREW, 1/4" - 20 UNC x 1/2" LG.
12	1-0387	4	THREADED ROD, 3/8"-16 UNC x 1 1/2"LG.
13	1-0208	4	KNOB
14	4-0232	1	TOWER WELDMENT, RIGHT SIDE
15	1-0415	4	SAFETY CABLE PULLEY
16	6-0069	2	SHOULDER BOLT 3/8" x 5/8" LG.
17	3-0097	1	TOWER SUPPORT ANGLE, RIGHT SIDE
18	1-0941	1	SAFETY CABLE
19	6-0478	1	"WHEEL" DECAL
19	6-0908	2	SHOULDER BOLT, 3/8" x 1 1/4" LG.
20	2-0690	2	SAFETY COVER
21	6-0505	4	SELF TAPING SCREW #10 x 1/2" LG.
22	2-0686	1	SAFETY DOG WELDMENT RIGHT SIDE
23	1-0938	2	SAFETY PIN
24	6-0267	5	COTTER PIN 1/8" DIA. x 1" LG.
25	6-0907	1	SHOULDER BOLT 3/8" DIA. x 2" LG.
26	6-0294	1	HEX NUT 5/16" - 18 UNC
27	1-0940	2	SAFETY SPRING
28	6-0169	1	SELF TAPING SCREW #10 - 3/8" LG.
29	6-0035	20	HEX NUT 1/2" - 13 UNC
30	6-0059	24	LOCK WASHER, 1/2" I.D.
31	1-0877	3	CARRIAGE STOP
32	6-0767	8	HEX BOLT, 1/2" - 13 UNC x 2 1/2" LG.
33	6-0861	2	FLAT HD. SCREW 1/2" - 13 UNC x 3/4" LG.
34	6-0084	2	SELF LUBE BEARING

ITEM NO.	PART NO.	QTY	DESCRIPTION
35	2-0694	2	CHAIN CUT TO SIZE
36	2-0740	2	WHEEL CHAIN
37	2-0674	1	FORK WELDING (RIGHT SIDE)
38	6-0921	2	1/8" - NPT, 90 DEGREE, GREASE FITTING
39	1-0932	2	FORK PIN WELDED
40	6-0126	18	HEX BOLT 1/4" - 20 UNC x 1/2" LG.
41	6-0056	18	LOCK WASHER 1/4" I.D.
42	3-0218	4	ADJUSTABLE TRUCK PAD ASSEMBLY (OPT.)
43	3-0194	4	STANDARD TRUCK PAD
44	3-0170	4	LOW LIFTING PAD NEOPRENE (OPTIONAL)
45	2-0304	4	LOW LIFTING PAD
46	2-0732	2	TOWER BRACE
47	4-0176	1	MEDIUM LOCKING ARM ASSEMBLY (L.S.)
48	4-0231	1	SHORT LOCKING ARM ASSEMBLY (L.S.)
49	3-0388	1	SAFETY RACK WELDING (RIGHT SIDE)
50	6-0423	4	HEX BOLT 5/16" - 18 UNC x 3/4" LG.
51	6-0664	4	HEX NUT 1" - 14 UNF -2A GR. #8
52	2-0439	4	ARM PIN
53	6-0246	4	SHOULDER BOLT 5/16" DIA. x 1 1/4" LG.
54	2-0661	2	LINK FORK
55	4-0228	1	TOWER WELDMENT
56	4-0229	1	CARRIAGE WELDMENT (RIGHT SIDE)
57	2-0696	1	EXTENSION BRACKET (RIGHT SIDE)
58	2-0697	1	CABLE MICRO SWITCH ASSEMBLY
59	3-0389	1	SAFETY RACK WELDING (LEFT SIDE)
60	6-0862	4	FLAT HD SOCK SCREW 1/2" - 13 UNC x 1" LG.
61	6-0551	8	SELF LUBE BRONZE BEARING
62	6-0290	4	HEX BOLT, 1/2" - 13 UNC x 5 1/2" LG.
63	3-0403	1	CROSS MEMBER WELDMENT
64	6-0479	1	"FREE" DECAL
65	2-0677	1	FORK WELDING (LEFT SIDE)
66	4-0225	1	CARRIAGE WELDMENT (LEFT SIDE)
67	6-0233	12	RETAINING RING, 1 3/8" I.D.
68	6-0629	12	SELF - LUBRICATING BUSHING
69	2-0530	12	CARRIAGE WHEEL ASSEMBLY
70	2-0685	1	SAFETY DOG WELDMENT (LEFT SIDE)
71	3-0096	1	TOWER SUPPORT ANGLE LEFT SIDE
72	6-0047	20	HEX BOLT 1/2" - 13 UNC x 1 3/4" LG.

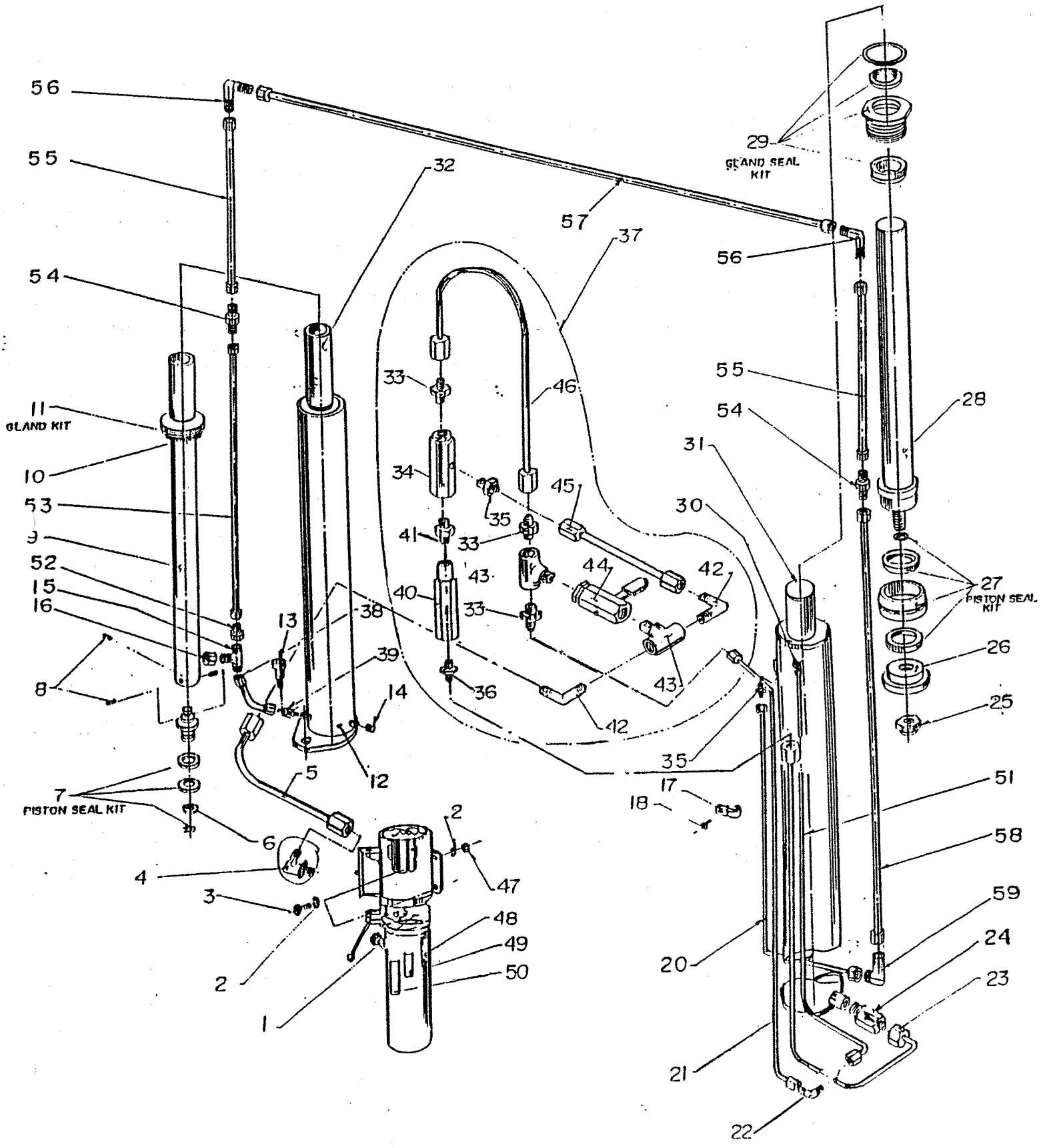
ITEM NO.	PART NO.	QTY	DESCRIPTION
73	6-0736	16	WEDGE ANCHOR 3/4" - 10 UNC x 4 3/4" LG.
74	6-0738	16	FLAT WASHER 3/4" I.D.
75	6-0737	16	HEX NUT 3/4" - 10 UNC
76	2-0293	1	SAFETY RELEASE HANDLE
77	6-0295	1	PLAIN WASHER, 5/16 I.D.
78	6-0591	1	SHOULDER SCREW, 5/16" x 1" LG.
79	1-0259	1	CABLE CONNECTING BRACKET
80	6-0032	1	HEX NUT, 1/4" - 20 UNC
81	6-0863	1	SERIAL NO. PLATE
82	6-0398	1	"ALI" PLATE
83	6-0592	1	"CAUTION" DECAL
84	2-0721	1	EXTENSION WELDMENT (LEFT SIDE)
85	1-0262	4	ARM STOP (TOP)
86	1-0263	4	ARM STOP (SIDE)
87	2-0192	2	INNER ARM MEDIUM
88	2-0695	2	INNER ARM SHORT
89	3-0315	1	OUTER ARM WELDMENT, MEDIUM (R.S.)
90	3-0318	1	OUTER ARM WELDMENT, MEDIUM (L.S.)
91	3-0313	1	OUTER ARM WELDMENT, SHORT (R.S.)
92	3-0316	1	OUTER ARM WELDMENT, SHORT (L.S.)

21019
21018

3-0609
6088

10382

TWIN POST HYDRAULICS : MODEL 7012

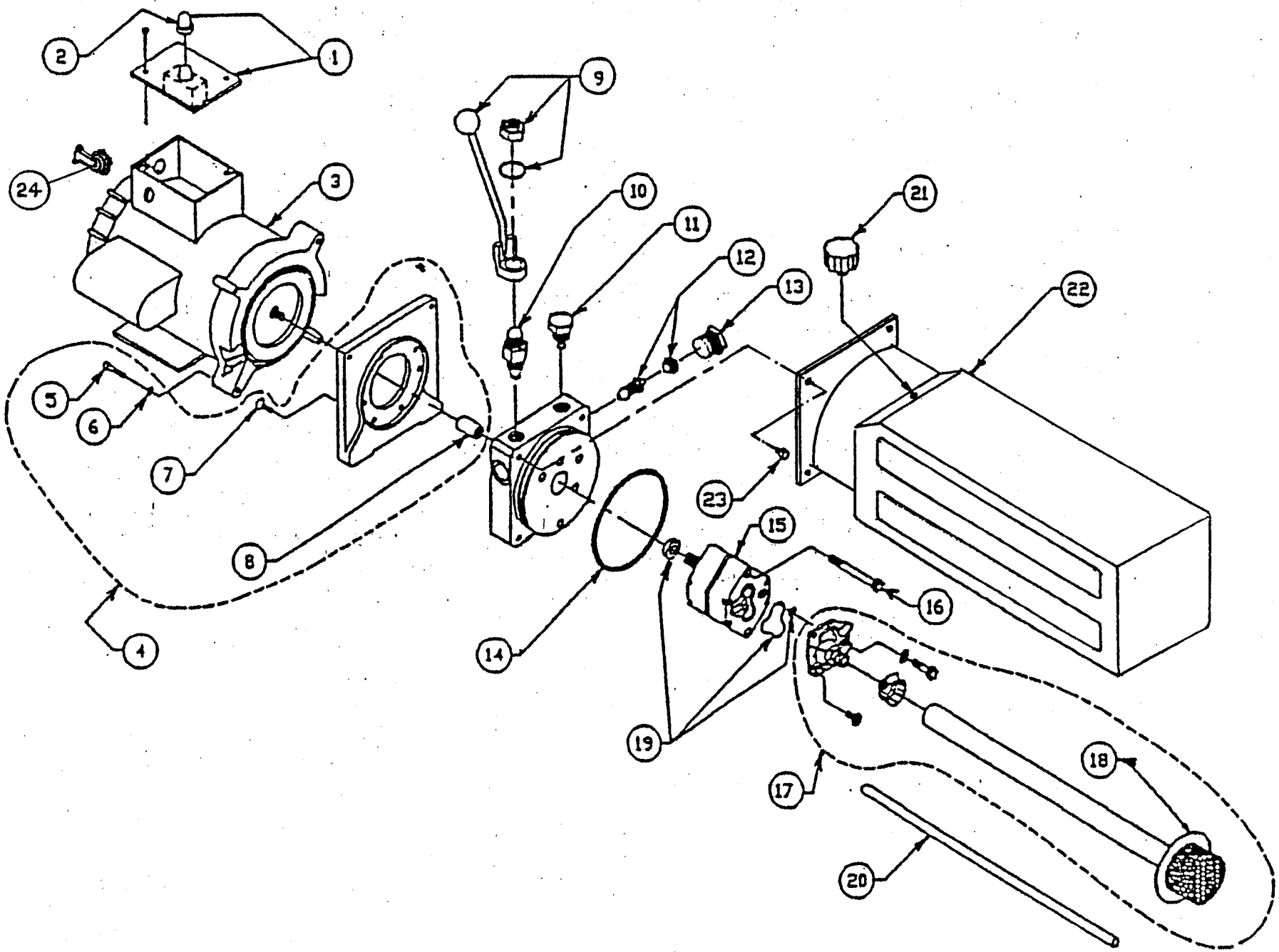


TWIN POST HYDRAULICS 7012

ITEM NO.	PART NO.	QTY	DESCRIPTION
1	6-0860	1	POWER PACK 220V, 1PH.
2	6-0674	4	LOCK WASHER 5/16" I.D.
3	6-0423	4	HEX BOLT 5/16" - 18 UNC x 3/4" LG.
4	6-0804	1	9/16" - 18 MALE TO 3/8" JIC MALE 90 ELBOW
5	1-0942	1	TUBE ASSEMBLY TO POWER PACK
6	1-0725	1	KEEPER WASHER
7	0-0159	1	PISTON SEAL KIT (RIGHT SIDE)
8	6-0580	3	ALLEN HD. 1/4" - 20 UNC 3/8" LG. SET SCREW
9	2-0664	1	PISTON TUBE (RIGHT SIDE)
10	1-0734	1	FELT STRIP (RIGHT SIDE)
11	0-0162	1	GLAND KIT RIGHT SIDE
12	2-0662	1	CYLINDER BARREL WELDMENT RIGHT SIDE
13	6-0425	2	SHOULDER SCREW, 1/2" x 5/8" LG.
14	6-0102	1	PLUG 3/8" NPT
15	6-0284	1	TEE 3/8" SWIVEL NUT JIC/JIC
16	6-0021	1	CAP 3/8" JIC
17	6-0536	1	TUBE CLAMP
18	6-0169	1	#10 - 3/8" LG. SELF TAPING SCREW
19	2-0717	1	TUBE ASSEMBLY 3/8" I.D.
20	3-0404	1	TUBE ASSEMBLY 3/8" I.D. (7012)
21	3-0398	1	TUBE ASSEMBLY 1/4" I.D.
22	6-0278	1	ELBOW 90, 1/4" M. JIC 1/4" M. JIC
23	3-0399	1	TUBE ASSEMBLY 1/4" I.D.
24	6-0911	2	VELOCITY FUSE 2 GPM
25	6-0631	1	UNI-TORQUE LOCK NUT 7/8" - 9 UNC
26	2-0521	1	PISTON SPIGOT
27	0-0160	1	PISTON SEAL KIT (LEFT SIDE)
28	2-0669	1	PISTON ROD WELDMENT (LEFT SIDE)
29	0-0182	1	GLAND SEAL KIT (LEFT SIDE)
30	6-0866	1	ELBOW 90, 1/8" NPT M. 1/4" M. JIC
31	4-0227	1	HYDRAULIC CYLINDER ASS'Y LEFT SIDE
32	3-0376	1	HYDRAULIC CYLINDER ASS'Y RIGHT SIDE
33	6-0281	3	ADAPTER 1/4" M, JIC 1/4" M, NPT
34	6-0277	1	PILOT OPERATED CHECK VALVE

ITEM NO.	PART NO.	QTY	DESCRIPTION
35	6-0276	2	ADAPTER, 1/4" M, NPT, 3/8" M, JIC
36	6-0011	1	ADAPTER, 3/8" M, NPT, 3/8" M, JIC
37	3-0400	1	HYDRAULIC FITTING ASSEMBLY
38	1-0102	1	TUBE ELBOW, 90 DEGREE ELBOW, 2 1/4" LG.
39	2-0719	1	TUBE ASSEMBLY
40	6-0090	1	FLOW CONTROL
41	6-0270	1	ADAPTER,1/4"NPT M - 3/8"NPT M
42	6-0274	2	ELBOW 90, 3/8" M. JIC, 1/4" M. NPT
43	6-0271	2	TEE, 1/4" M. NPT, 1/4" F. NPT
44	6-0272	1	BALL VALVE
45	1-0281	1	TUBE ASSEMBLY, 3/8" I.D.
46	1-0280	1	TUBE ASSEMBLY, 1/4" I.D.
47	6-0294	4	HEX NUT 5/16" - 18 UNC
48	6-0593	1	"LIFT OPERATING" DECAL
49	6-0594	1	"NOTICE" DECAL
50	6-0595	1	"WARNING" DECAL
51	2-0707	1	TUBE ASSEMBLY, 1/4" I.D.
52	2-0716	1	TUBE ASSEMBLY 3/8" I.D. (7012)
53	6-0286	2	UNION 3/8" JIC M.
54	2-0717	2	TUBE ASSEMBLY 3/8" I.D. (7012)
55	6-0922	2	90 DEGREE ELBOW 3/8" JIC M. x 3/8" JIC M.
56	6-0721	1	90 DEGREE ELBOW 1/4" NPT, M. x 1/4" NPT,M.

POWER P.. CK



7012 POWER PACK PART LIST

ITEM	QTY.	DESCRIPTION	PART #
1	1	MICROSWITCH	6-0881
2	1	MICROSWITCH BOOT	6-1084
3	1	MOTOR 230 VAC, 1PH, 60 HZ	6-0773
4	1	MOTOR ADAPTER KIT	0-0197
5	4	SOCKET HD.CAP SCW, 1/4"-20UNC X 5/8"LG.	6-1085
6	4	LOCKWASHER, 1/4"I.D.	6-0056
7	4	ALLEN HD. FLAT SCW, 1/4"-20UNC X 3/4"LG.	6-1086
8	1	COUPLING	6-0774
9	1	RELEASE BRACKET & HANDLE ASSEMBLY	6-0776
10	1	VALVE CARTRIDGE RELEASE	6-0880
11	1	VALVE CARTRIDGE CHECK	6-1087
12	1	FIXED RELIEF VALVE, RV26	6-1326
13	1	RELIEF VALVE CAP	6-1089
14	1	RESERVOIR "O"RING	6-0875
15	1	PUMP ASSEMBLY	6-0782
16	2	PUMP MOUNTING BOLT	6-1090
17	1	INLET PLUMBING KIT	0-0198
18	1	INLET HOSE / FILTER ASSEMBLY	6-0786
19	1	PUMP "O" RING KIT	0-0199
20	1	RETURN TUBE	6-0783
21	1	BREATHER-FILLER CAP	6-0873
22	1	RESERVOIR	6-0871
23	4	RESERVOIR SCREW	6-1091
24	1	CABLE CONNECTOR, 90°, 3/8"	6-1133