



ATTENTION:

**PLEASE READ THIS MANUAL COMPLETELY
AND THOROUGHLY BEFORE ATTEMPTING
TO INSTALL, OPERATE OR WORK ON YOUR
LIFT.**

TWO POST LIFTS

Installation, Operation, and Maintenance Manual

MODEL 9000AI
MODEL 9000SA
MODEL 9000SI
Part # 95055

Quest Corporation
P.O. Box 5668
2912 W. 2nd
Pine Bluff, AR 71611
Phone: (870) 534-6411 or 800-436-1327
Fax: (870) 534-3177

10/11/05

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INSTALLATION INSTRUCTIONS

Choosing A Location

- Use architects' plans when available. See Floor Layout on Page 2 for typical layout of all 9000# inverted cylinder models.
- Two Post Lifts require a *minimum* ceiling height of 2" higher than the overall height of the lift being installed. For the 9000AI, 9000SA, and 9000SI this will be 143-3/8". Add 1' or 2' for EH-1 or EH-2 Models
- The Steel Reinforced Concrete floor must be level, have a *minimum* thickness of 4 inches, and retain a *commercial* rating of 3500 psi. The concrete ***must*** be cured for a ***minimum of 28 days.***
- Before making a Final Decision, consider the amount of workday traffic flowing in and around the location you have chosen. Also consider the amount of room out front of the lift for a workbench or diagnostic equipment. There may also be some future building plans to consider. Are you satisfied with your selection?

Important General Information

1. There are numerous blends and mixes and additives these days for concrete. All of these work well when used in the proper application. However, years of experience have shown that nothing beats a properly cured, steel reinforced concrete slab for this application. Another thing to watch is additives that claim to harden the concrete faster or reduce the cure time. Again, these things have their place, but not in this application! ***A steel rod or mesh reinforced slab cured 28-30 days with the slab kept properly hydrated gives the best results.***

2. Checking bolts for tightness to some people means that once a week they grab a wrench and go around yanking a quarter of a turn on every nut and bolt they see. This is, of course, not the proper way of handling any bolt, ***especially*** the stress anchors used to anchor your lift. ***When the anchors are installed, they must be torqued with a torque wrench to 150 foot-pounds initially.*** After a period of time, they will loosen up some. This is normal. When checking the anchors just put a wrench on them and "feel of them" or apply a small amount of torque to the bolt. If it is tight, it is good to go. If it is loose, get a torque wrench and tighten it to 60-90 foot-pounds.

3. The lift is not designed for an outdoor installation because of the possible damage and degradation to the hydraulics and the electrical components caused by direct exposure to the elements. If the unit is installed in a building or outbuilding with a floor that is anything other than the recommended concrete floor, a pad can be poured. The size and construction of the pad can vary depending on the soil conditions and the local weather conditions. It is recommended that each of these situations be handled separately by a local engineer.

4. Never place a lift in a pit or depression in a garage area or any environment where gasoline is around. Gasoline fumes tend to gather at the floor and low areas, so the lift must be mounted on the main floor of the building and not in the basement or a pit.

5. Always remember that your lift is rated at 9000 pounds. This means that the lift will safely and reliably lift a load of 9000 pounds as long as that load is evenly distributed on all four arms. If the load is offset or unevenly distributed, then one post can actually be operating at a load greater than 9000# and the lift can be overloaded with less than the rated load. So the lift load rating is **9000 pounds or 2250 pounds per arm.**

Positioning the Post (Columns)

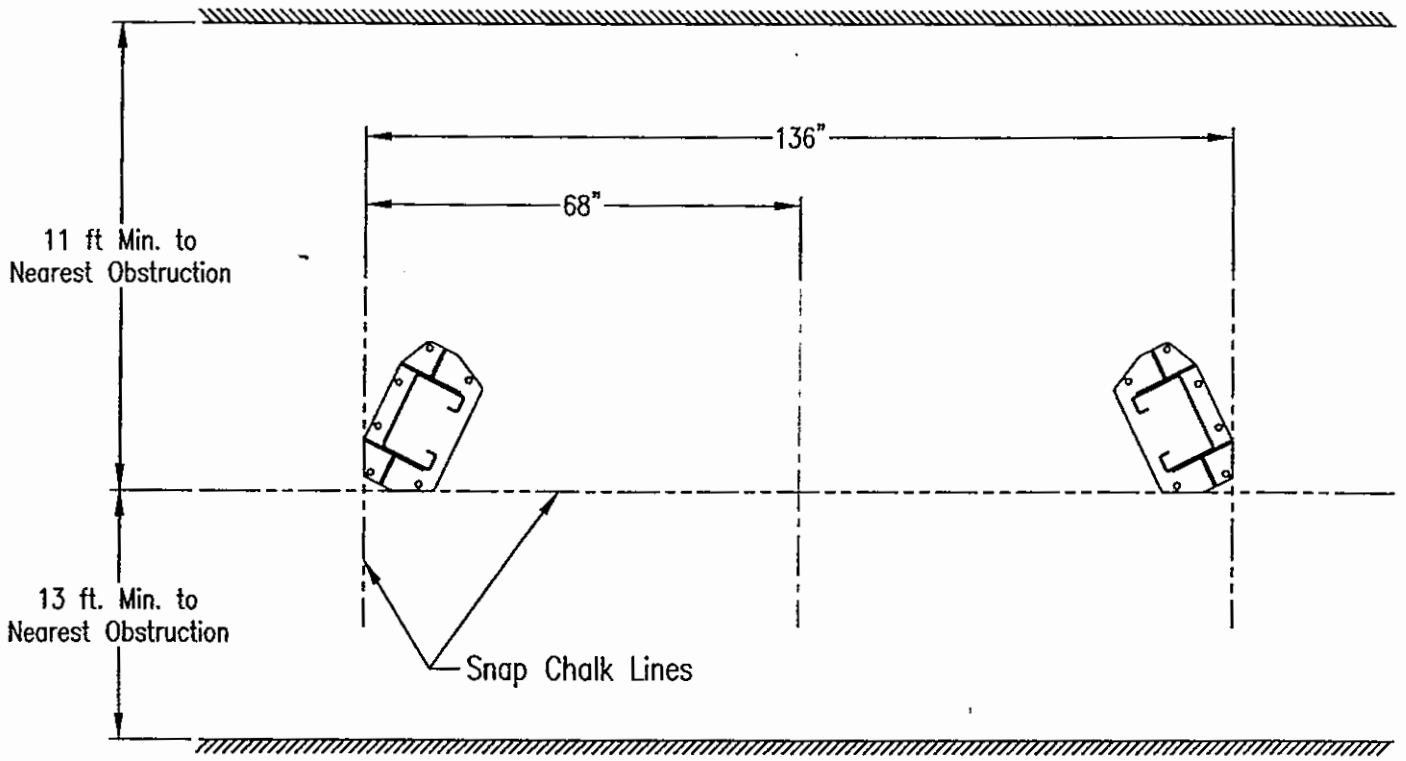
Carefully examine the packed unit for damage before unpacking. Any claims for damage should be filed with the freight carrier at delivery. Unbolt the package being careful to save the 3/8 x 1-1/4 bolts and use them to reinstall the top caps after unpacking the lift. Place posts in bay using dimensions shown in Floor Layout (Figure 1) for the lift model you are installing. The bases must be square with the layout lines as shown. Carefully examine the layout to determine which edges of the base plate to line up.

Drilling and Anchoring

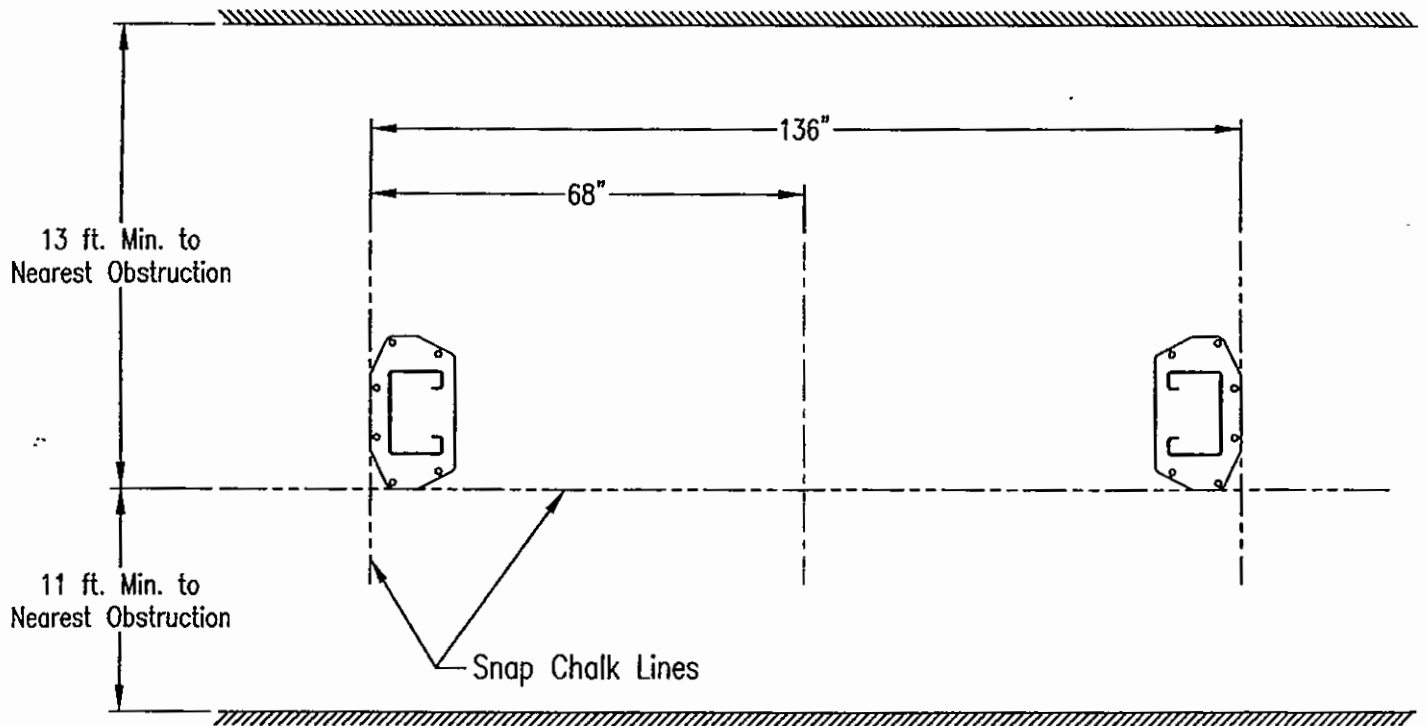
A. Drill 3/4" x 4 1/2" (minimum depth) holes in the *concrete* floor using the holes in the baseplates as guides. Drill the holes perpendicular to the surface, being sure not to enlarge them by allowing the drill to wobble. Do not ream-out the holes. (See Anchoring Instructions, Figure 2). ***Be careful when drilling the holes, the posts can tip over.***

B. Blow all of the dust and debris from the holes, then clean around the openings with a wire brush. A clean hole will improve the prospect of solid anchoring.

FLOOR LAYOUT



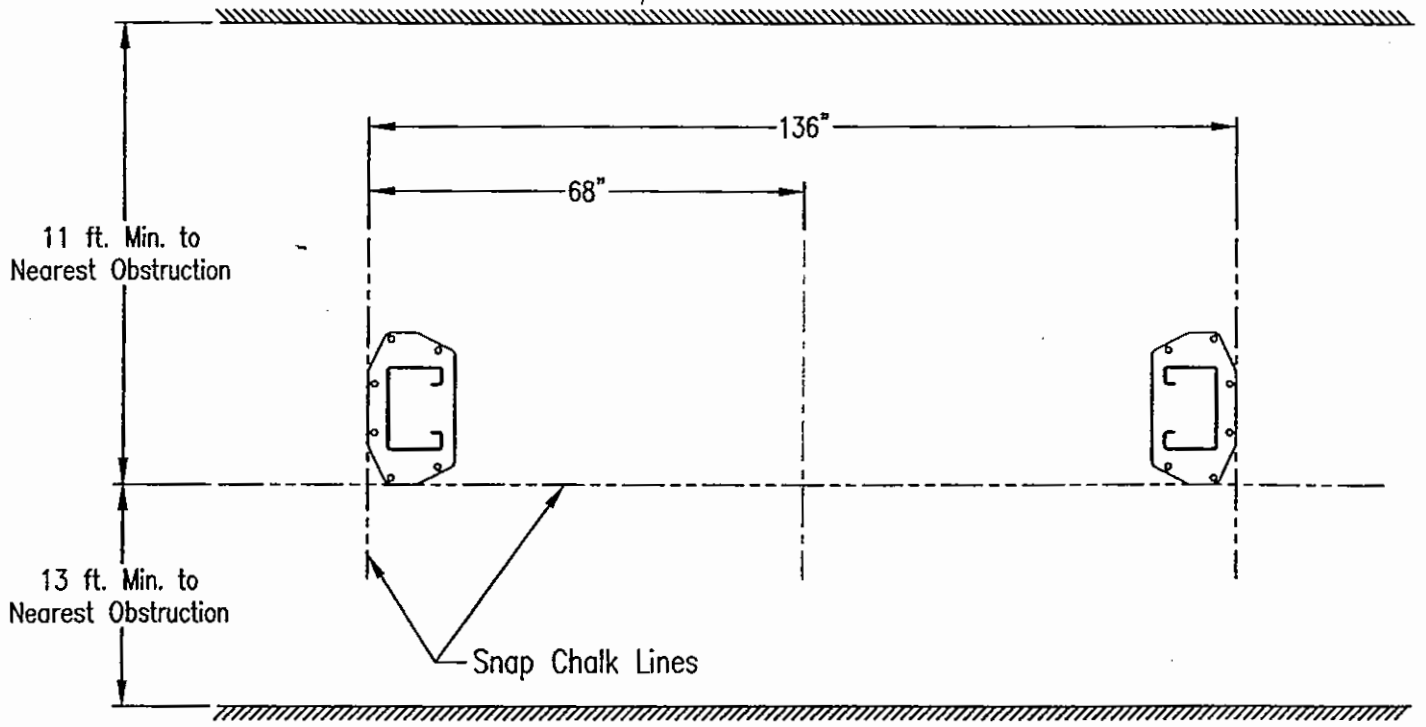
MODEL 9000AI



MODEL 9000SI

Figure 1

FLOOR LAYOUT

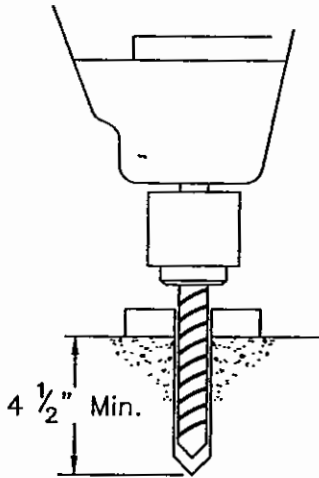


MODEL 9000SA

Figure 1

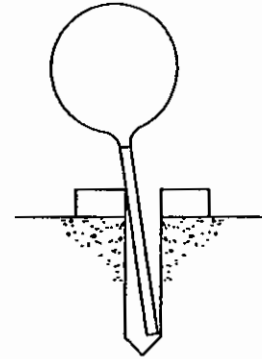
ANCHORING INSTRUCTIONS

Step 1



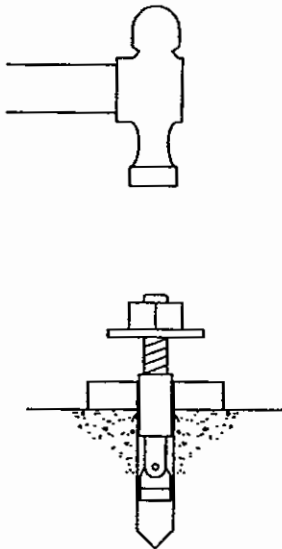
Drill holes using 3/4" carbide tipped masonry drill bit per ANSI standard B94.12.1977

Step 2



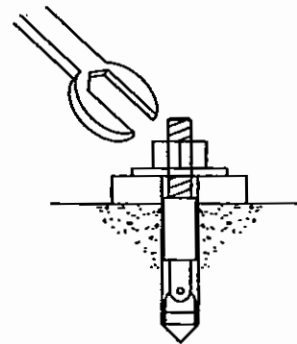
Clean hole.

Step 3



Run nut down just below impact section of bolt. Drive anchor into hole until nut and washer contact base.

Step 4



Tighten nut with Torque wrench to 150 ft.-lbs.

Figure 2

2. To install Anchor:

A. Assemble the washer and nut onto the anchor bolt with nut just below impact section of bolt.

B. With a hammer, *carefully* tap the anchor bolt into the concrete until the washer is resting on the base of the column. **DO NOT DAMAGE THE NUT OR THREADS!**

C. Before tightening the nuts, level and plumb the columns, using the shims provided.

Note: If more than 1/2" of shims is required to level the post, **Do Not Use the Anchors supplied with this lift.**

D. When columns are level and plumb, tighten the nuts with a *Torque Wrench* to 150 ft lb. If anchors do not tighten to 150 ft-lbs in existing floor, replace concrete under each post with a 4' x 4' x 6" thick pad keyed into and flush with the existing floor. Concrete must be 3500 psi minimum.

NOTE: NEVER USE AN IMPACT WRENCH TO TIGHTEN ANCHOR BOLTS!

Attaching the Overhead Beam and Shut-Off Cable

1. The overhead beam is attached to the top caps at the ends with eight 3/8-16 x 1 HFHSL bolts and HFHSL nuts.

2. To **Install the Shut-Off Cable**, route the cable as shown in Fig. 6 on page 13.

3. Using two 1/4 x 1 bolts, attach the shut-off cable brackets to the overhead beam at the holes provided. The brackets can be placed on the front or back of the lift, but attaching at the back of the lift is strongly recommended, especially for the 9000AI.

4. Attach the shutoff cable to the offside bracket. Then pull the slack out of the cable until you hear the switch click inside the Power Unit. The click indicates that the cable is tightly drawn. Loosen the cable until the switch releases, and crimp the cable clamp. See Fig. 5 on page 13.

CAUTION! KEEP FEET CLEAR OF LIFT WHILE LOWERING!!!

Attaching the Actuator Cables

1. Locate the actuator cable assembly and route the cable over the top of the lift across the overhead beam using the cable clips provided to anchor the cable to the lip of the beam. Attach the cable first on the power unit side of the lift. After removing one of the nuts, run the free end of the cable through the hole in the support bar closest to the post. Then replace the nut on the threaded adjustment.
2. Remove the carriage latch and run the ball end of the cable down into the latch on the groove side. Wrap the cable around the inside groove on the drum on the latch and place the latch. (See Figure 3) When the latch is replaced, the cable should come off of the outside of the drum as shown.
3. On the idler side of the lift, rout the free end of the cable through the support bar's outside hole and fasten it as before. Run the ball end of the cable core into the latch and wrap the cable around the outermost groove so that the cable comes off from the inside of the latch.
4. Adjust the cable to remove the slack from the core and the latches rest on the stops. Check the operation of the latches. Locate the handle and run the 3/8 jam nut down on one end of the handle. Screw the handle into the latch and tighten the jam nut so that the handle is pointing straight out from the post. Attach the covers by snapping them over the vertical bars, then screw the knob on the handle.

Installing the Equalizer Cables

- A. Manually lift both Carriages to about waist height. Be sure they are the same height and on the same latch location on the carriage.
- B. Install the Equalizer Cables using the Routing for the lift as shown in the diagram in Figure 4. Sandwich the upper plate of the carriage between the nuts. The cables should be taught, but no too tight. Be certain to tighten the jam nuts.

Power Unit Placement and Connection of the Hydraulic Hoses

1. Remove the power unit from the box and locate the mounting hardware. For easy mounting, place two bolts through the middle slots on the power unit mounting plate and start the nuts on them. Then lift the unit up and slide the unit into position while guiding the bolts into the slots on the bracket from the top. Install the other two bolts and tighten securely.
2. **NOTE: *There is a bulkhead fitting inside the post that must be attached to the post before any hydraulic connection can be made.*** Reach inside the post that the power unit is mounted on and locate the bulkhead fitting. It will be about halfway up just inside the post on one side. Remove the nut from the open leg of the tee. Run the open leg of the tee through the hole in the side of the post. Replace the nut on the tee from the outside of the post. Holding the fitting with a wrench on the inside of the post, tighten the nut securely on the outside of the post.
3. Locate the ORB adapter and screw it into the outlet port on the power unit. Then take the short hose from and attach it to adapter on the power unit and to the bulkhead fitting on the side of the lift column. Tighten the fittings securely.

Locate the long hose and take it to the top of the lift. Attach one end of the hose to the end of the tube at the top of each post through the holes in the top cap.

NOTE: DO NOT OVER-TIGHTEN THE HYDRAULIC HOSE CONNECTIONS!

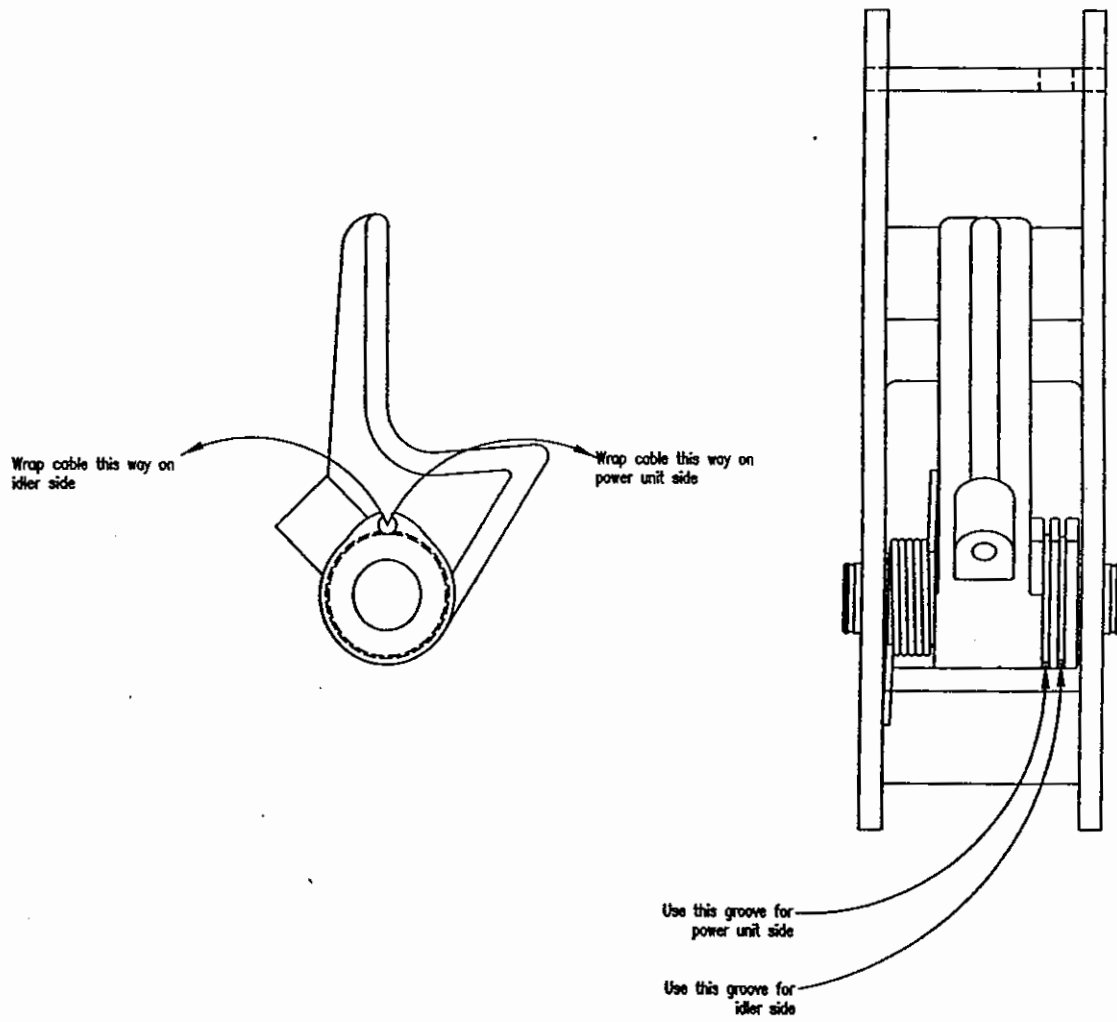


Figure 3

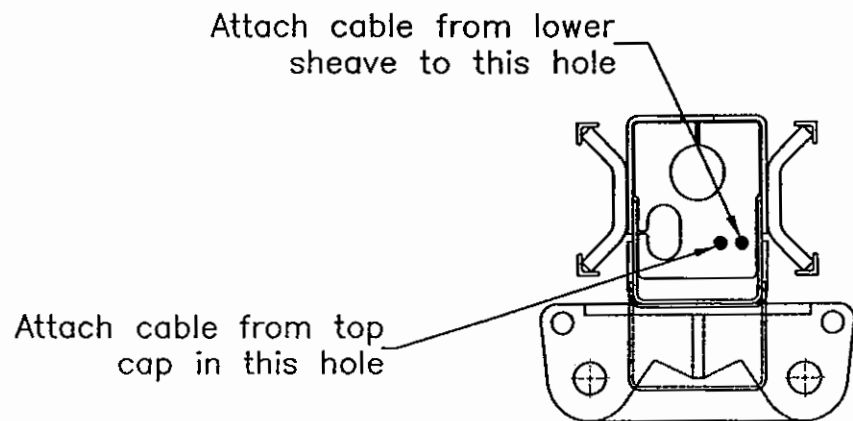
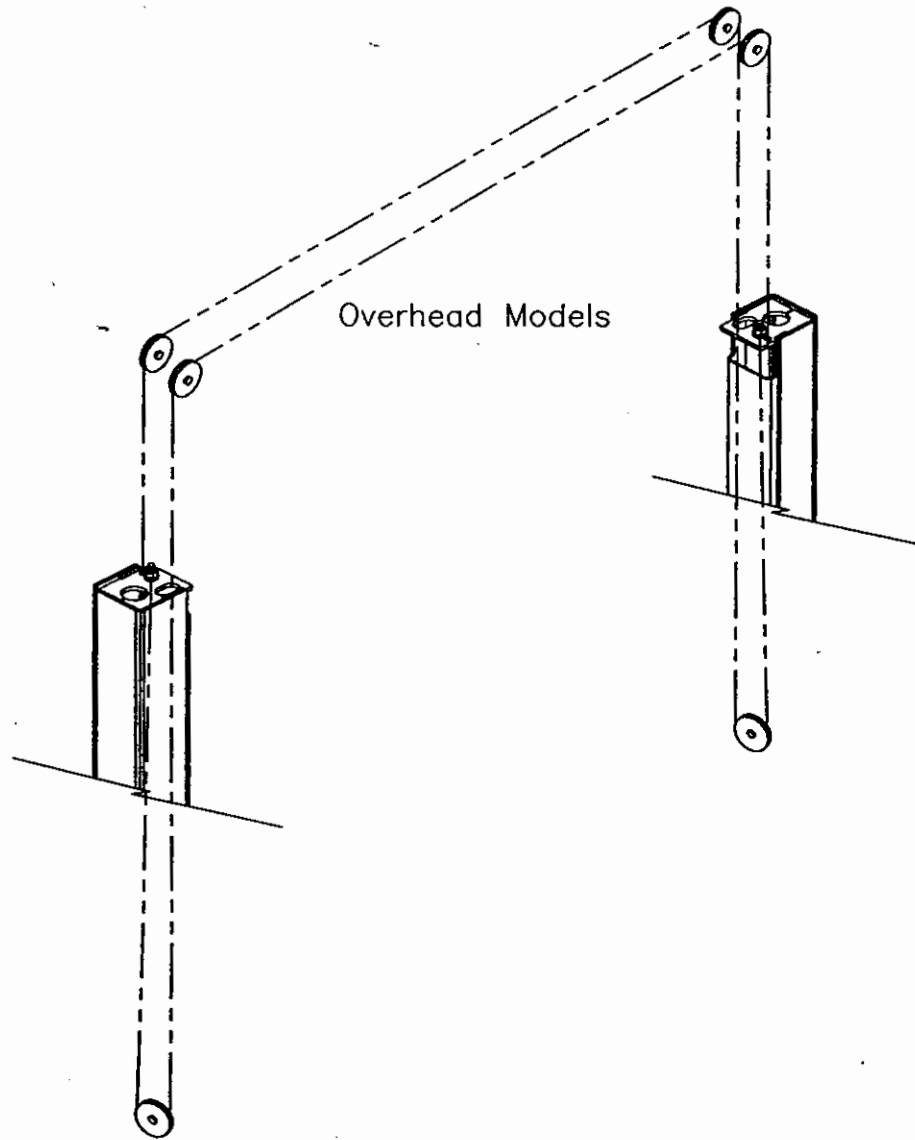


Figure 4

SHUT-OFF CABLE ATTACHMENT

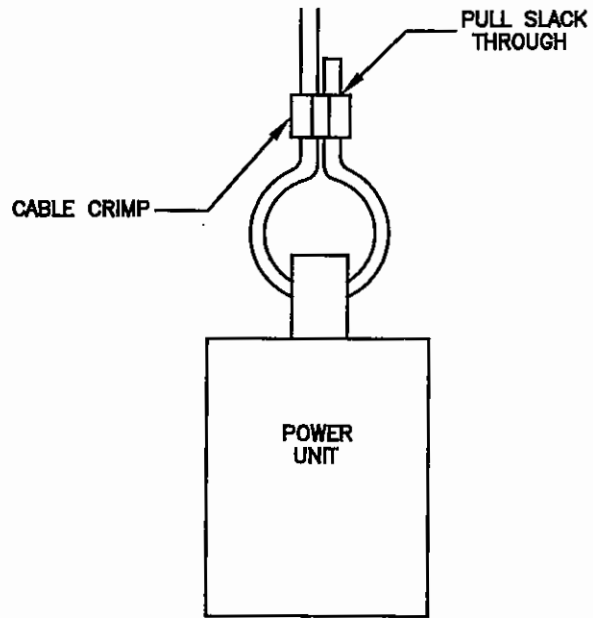


Figure 5

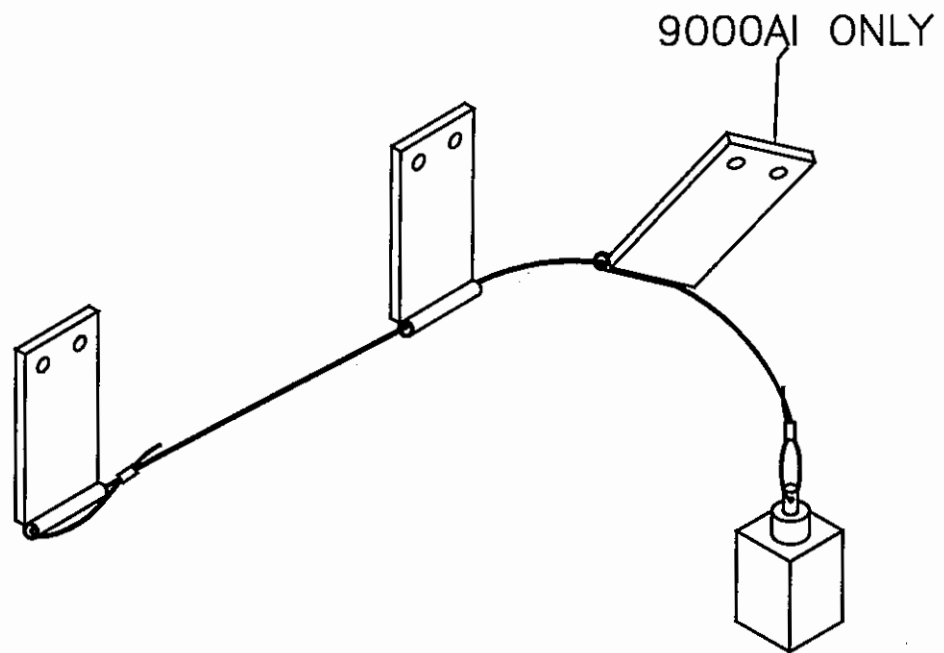
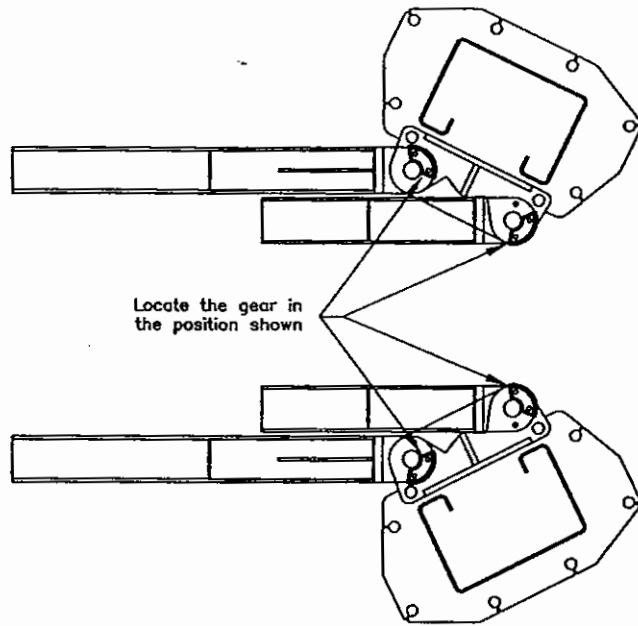
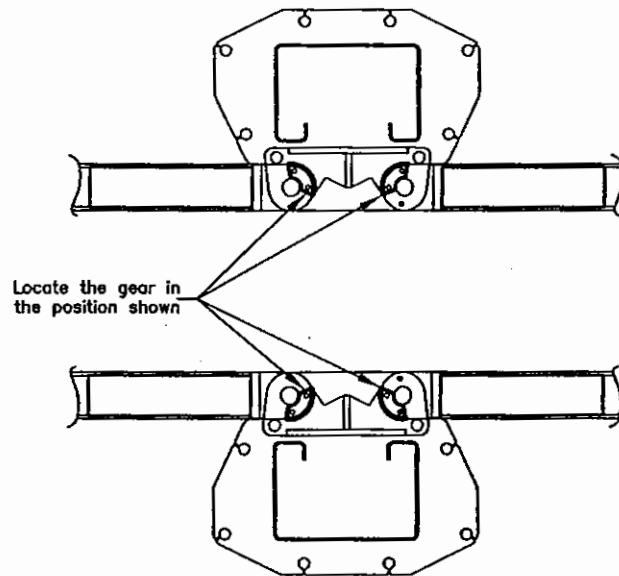


Figure 6



9,000AI



9,000SI
9,000SA

Figure 6

Attaching the Swing Arms and Arm Restraints

1. Before Installing the Swing Arms, remember the *short* arms go to the front, and the *long* arms go to the rear on model 9000AI.
2. Locate the arms, arm pivot pins, arm restraint gears, and hardware. Place the arm clevis end into the clevis on the carriage.
3. Slide the pivot pins through the arms and carriage until it bottoms out.
4. Locate the arm restraint gears as shown in Figure 6. Fasten each with (2) 3/8-16 X 1 Socket Head Cap Screws.
5. Check the operation of the arm restraints. To adjust the release height of the restraint rods on the carriage, remove the screw in the bottom of the rods and place 5/16 washers under the screw until the restraints release cleanly when the carriage is lowered and there is a little play in the release rod when the carriage is completely down.

Electrical Connection

**NOTE: WE STRONGLY RECOMMEND THAT YOU USE A
LICENSED, PROFESSIONAL ELECTRICIAN TO INSTALL
THE POWER TO YOUR TWO POST LIFT!**

Filling the Hydraulic Fluid Tank

Remove the vent-cap from the top of the Hydraulic Fluid Tank attached to the Power Unit. Using a funnel, carefully pour in the Hydraulic Fluid (approximately 12 quarts) until fluid gets near the top of the tank. Replace the vent-cap.

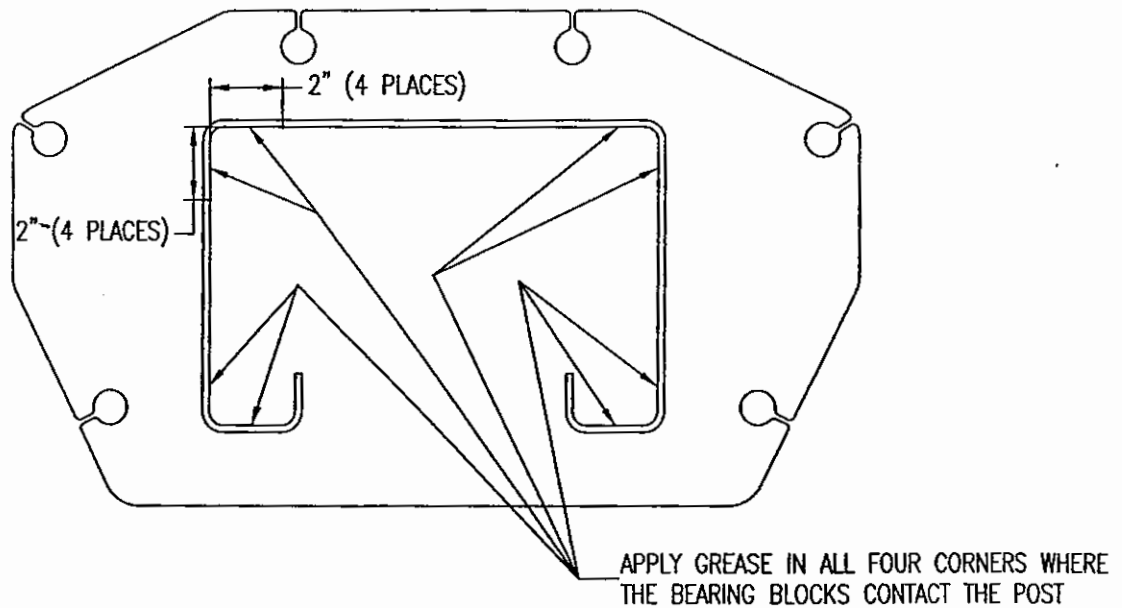
We Recommend Using One of the Following Fluids:

Dextron II Non-Detergent

Shell Tellus #32

10 Weight Hydraulic Jack Fluid

Applying Grease to the Post at Installation



Grease must be spread inside the posts of the lift after it is installed but before any load is applied. A one pound tub of grease will be packaged in the hardware box. Upon locating the tub, open it and apply the grease to the inside surface of the post as indicated in the illustration. Make application only on the area that the bearing blocks will be contacting the post. It is not necessary to apply grease above the area the carriage will run. The grease can be applied with a brush or a rag. First apply the grease to the four corners of the post to a distance of 68" above the carriages. then raise the the lift with no load to full height. Check to see that the posts are greased for the full travel of the carriage. Then, with the carriages at full height, Apply grease to the bottom portion of the posts. Cycle the lift twice before load testing.

Bleeding the System

1. Actuate the power unit and hold the button until both carriages lift off the locks.
2. Carefully loosen the bleeding screw at top end of the cylinder and allow the trapped air to escape. **CAUTION! *The air in the cylinders is under pressure. Protect your eyes and cover the end of the cylinder with a rag because oil may spray out of the cylinder.***
3. Repeat the process for the other cylinder.

Adjusting the Equalizer Cables to Synchronize Carriages

Raise and lower the lift several times while listening to the *clicking* of the safety locks in each column. If the safety locks are not clicking in unison (at the same time), determine which carriage is running behind, and tighten (just a few turns) the adjustment bolt on the *opposite* side. When the cables are properly adjusted, they should feel fairly tight.

Final Assembly

1. Using the adhesive cable anchors and cable ties, fasten the overhead switch cord and the actuator cables to the posts.
2. **Be certain** to plug the unused holes in the sides of the posts with the hole plugs provided.
3. **Install the covers on the carriage latches** by snapping them over the ears on the vertical bars on either side of the latch.
4. **Check all nuts and bolts**, making sure they are tight. Check the jam nuts on the equalizer cables for tightness.
5. **Check all of the hydraulic fittings** for possible leaks.
6. **Make sure the Carriages are synchronized.**
7. **Make sure post are greased.**
8. **Place a vehicle on the lift** (see operating section for instructions below for to the safe and proper way to lift a vehicle), raising the vehicle until it clears the floor. Lower the lift all the way to the floor and recheck all the anchor bolts. Raise the vehicle all the way to the top and lower all the way to the floor several times. This procedure will ready the lift for continued operation.

OPERATION

1. Center the vehicle left and right between the posts.
2. Position the swivel pads under the frame of the car at the *proper lifting points*. (To find the proper lifting points, consult the vehicle's service manual or other approved publication.)
3. Push the up button and raise the lift until the swivel pads make contact with lifting points.
4. Check all swivel pads to make certain all adapters are making *full and proper contact*. **NEVER** go under a vehicle unless all adapters are in secure contact with the vehicle.
5. Raise the vehicle approximately 2 feet and check the stability by rocking the vehicle. *Make sure vehicle weight is centered*. Do not raise if weight is front or tail heavy.
6. Raise the vehicle to the desired height and lower on the carriage latches. **NEVER** go under a vehicle unless the carriage latches are engaged.
7. Before lowering, check the area under the vehicle to be sure it is clear. Raise lift slightly, pull the Latch Release Handle and hold, then pull down on the lowering release arm and lower **SLOWLY**. *Keep feet clear*.
8. After lowering, rotate the swing arms back out of the way.

MAINTENANCE SCHEDULE

DAILY

1. Always keep bolts tight.
2. Check for oil leaks.

MONTHLY:

1. Re-torque the anchor bolts if necessary. (See CAUTION! below)
2. Lubricate chains/cables with spray lubricant.
3. Check all connectors, bolts and pins to insure proper mounting.
4. Make a visual inspection of all hydraulic hoses and lines for possible wear or interference.

CAUTION!

ALL ANCHOR BOLTS SHOULD ALWAYS BE TIGHT. Check the bolts periodically and tighten if necessary to 60-90 ft.-lbs. after the bolts have been set at installation. If any of the bolts do not function for any reason, the lift should be shut down until the bolt has been replaced.

EVERY SIX (6) MONTHS:

1. Make a visual inspection of all moving parts for possible wear, interference or damage.
2. Check all pulleys for proper lubrication. If pulleys seem to be dragging during lifting or lowering, lightly oil the axle.
3. Check and adjust as necessary, equalize tension to insure level lifting.
4. Check columns for plumbness.
5. Check fluid level of power unit.
6. Lube columns.

Installation Instructions for EH-1 and EH-2

1. With the Overhead and Top Caps removed place the Post Extensions in the tops of the Posts and fasten with the 3/8 x 1 bolts and nuts.
2. Remove the Adapter from the end of the hydraulic line and save it for later. Replace it with the Union from the kit. Then place the Hydraulic Line Extension from the kit into the Union and tighten securely. Place the Adapters on the end of the Extensions and tighten securely. Repeat for the opposite side.
3. Place the Top Caps on the Post Extensions in the same manner as they were attached to the Posts. Assemble the Overhead and Shutoff Cable per the lift manual.

TROUBLESHOOTING THE LIFT

- | | |
|--|--|
| 1. Motor does not run: | A. Breaker or fuse blown.
B. Motor thermal overload tripped.
C. Defective UP switch. Replace.
D. Faulty wiring connections. Call electrician.
E. Check the overhead shut-off cable operation.
It could be faulty or stuck-thus holding the switch open. |
| 2. Motor runs but lift will not raise: | A. Trash is under check valve. Push handle down and push the UP button at the same time. Hold for 15 seconds. This should flush the system.
B. Remove the check valve cover with an Allen wrench. Clean the ball and seat and replace the cover.
C. Oil level low. Oil level should be just under the vent cap port when the lift is down. |
| 3. Motor runs but lift picks up partial load only: | A. Faulty relief valve. Replace.
B. Oil is coming out of breather on cylinder.
C. Seals damaged. |
| 4. Oil blows out of breather: | A. Oil reservoir overfilled.
B. Lift lowered too quickly while under a heavy load. |
| 5. Motor hums and will not run: off and | A. Impeller fan cover is dented in. Take straighten.
B. Faulty wiring - Call an Electrician.
C. Bad capacitor - Call an Electrician.
D. Low voltage - Call an Electrician.
E. Lift over loaded. |
| 6. Lift jerks up and down: | A. Cables are too loose - (See Adjusting The Equalizer Cables).
B. Air in system - bleed the system. (See Installation Instructions - Bleeding the System) |

QUEST CORPORATION, d.b.a., BEN PEARSON TUBEMASTER

5 YEAR LIMITED WARRANTY

The structural components of Ben Pearson Tubemaster surface mounted lifts are warranted to the original owner to be free from defects in material and workmanship under normal use for a period of five years from invoice date. Ben Pearson Tubemaster will replace those parts returned to the factory which prove to be defective for the full five year warranty period. Ben Pearson Tubemaster will pay labor cost for replacement of defective parts for the first twelve months with the exception of air cylinders and electrical switches which have a six month labor warranty. Ben Pearson will pay reasonable transportation cost for the first 12 months and purchaser will bear the cost of transportation for the remainder of the warranty.

Power units and hydraulic cylinders are warranted for two years from invoice date against defective material when the product is installed and used according to Ben Pearson Tubemaster specifications. Electrical switches, air cylinders (if used), rolling jacks and turntables are warranted for one year. Warranty obligation is limited to the repair or replacement of parts returned to the factory, freight prepaid which prove upon inspection to have been defective and have not been misused.

This warranty does not cover normal maintenance, cable and chain adjustments, damage as a result of improper installation, abuse, misuse, overloading, negligence, or normal wear and tear, concrete floor problems, or defects caused by lack of required maintenance. This warranty does not cover equipment when repairs have been attempted or made by anyone other than a Ben Pearson Tubemaster authorized service representative.

All parts must be returned freight prepaid and adequately packaged to prevent damage in transit.

This warranty is exclusive and is in lieu of all other warranties expressed or implied including any implied warranty of fitness for a particular purpose, which implied warranties are hereby expressly excluded.

In no event will the sales representative, wholesale dealer, Ben Pearson Tubemaster, or any company affiliated with it or them be liable for incidental or consequential damages or injuries, including but not limited to the loss of profit, rental or substitute equipment or other commercial loss purchaser's sole and exclusive remedy being as provided here in above.

This warranty may not be enlarged or modified in any manner except in writing signed by an executive officer of Ben Pearson Tubemaster. It is the policy of Ben Pearson Tubemaster to improve its products whenever it is possible and practical to do so. Ben Pearson Tubemaster reserves the right to make changes and or add improvement at any time without incurring any obligation to make such changes or add such improvements to products previously sold.

Ben Pearson Tubemaster products must only be operated by persons who have been trained in its safe and proper use.

To VALIDATE this warranty, the attached form must be completed and returned to the address shown below:

**Ben Pearson Tubemaster
870-534-6411**

**P.O. Box 5668
Fax: 870-534-3177**

**Pine Bluff, AR 71601
Toll Free: 1-800-436-1327**

WARRANTY REGISTRATION

Model No. _____ Serial No. _____

Date Purchased: _____ Invoice No. _____

Name of Purchaser: _____

Mailing Address: _____

Physical Address of Lift: _____

City: _____ State: _____ Zip: _____

Telephone No. _____

Name of Seller: _____

City: _____ State: _____ Zip: _____

Telephone No. _____

Return to:

QUEST CORPORATION
d.b.a., BEN PEARSON TUBEMASTER
P.O. Box 5668
Pine Bluff, AR 71611

BEN PEARSON

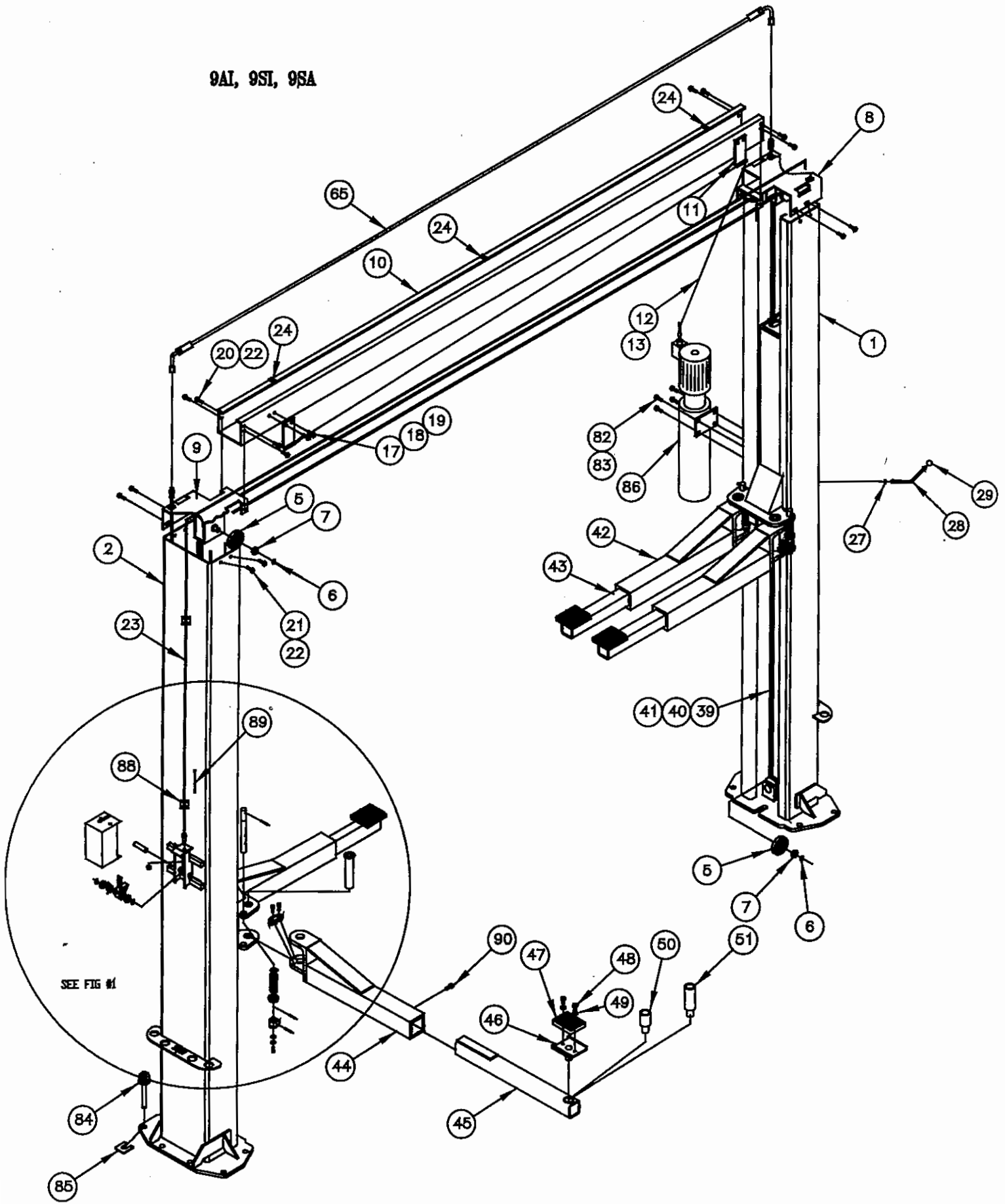
PARTS MANUAL –

**MODEL 9000AI
MODEL 9000SA
MODEL 9000SI**

**2912 W. 2nd
Pine Bluff, Arkansas 71601**

1-800-436-1327

9AI, 9SI, 9SA



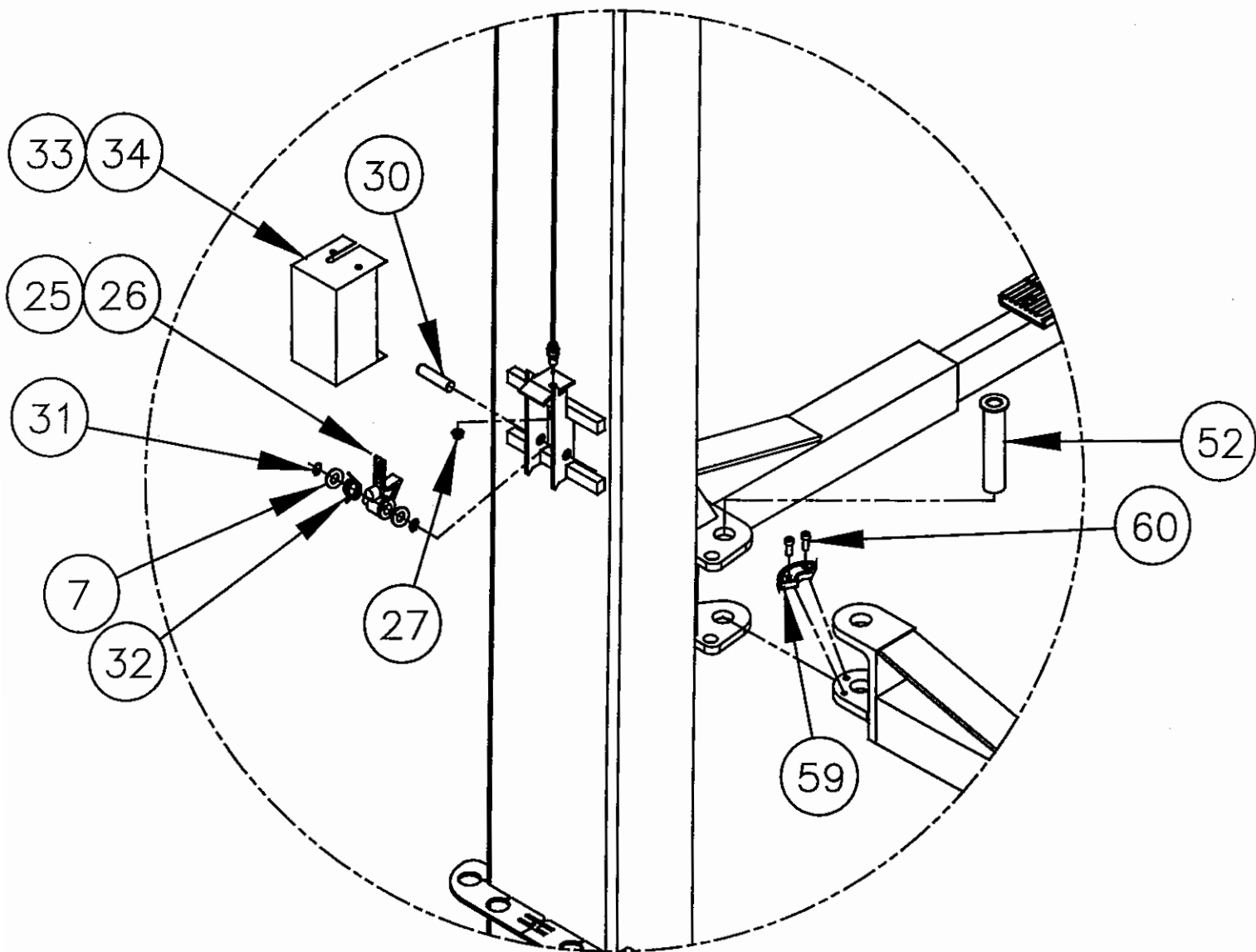
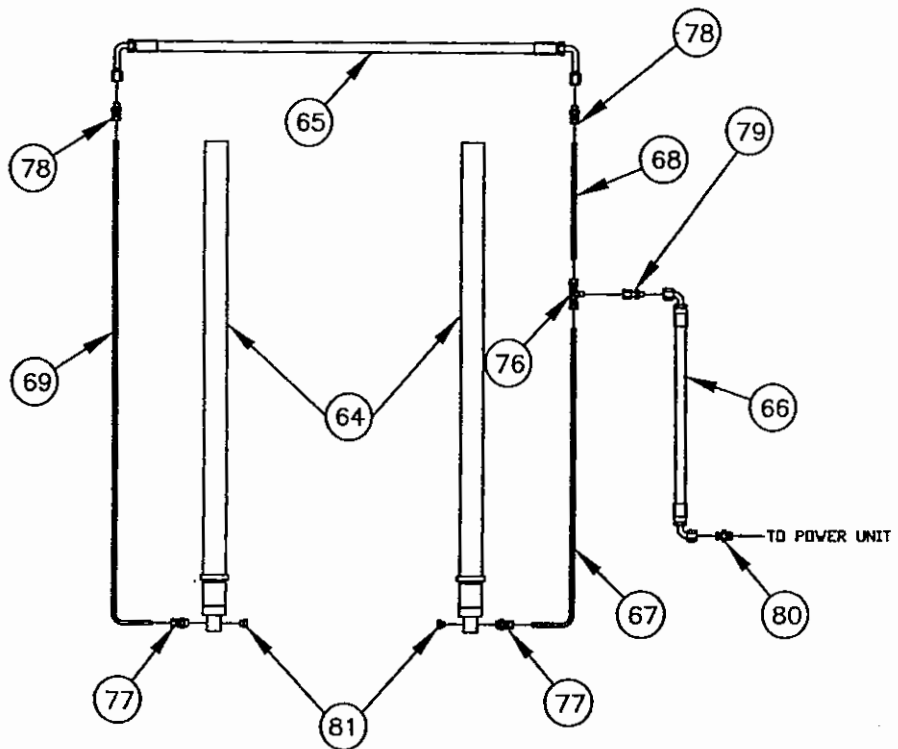
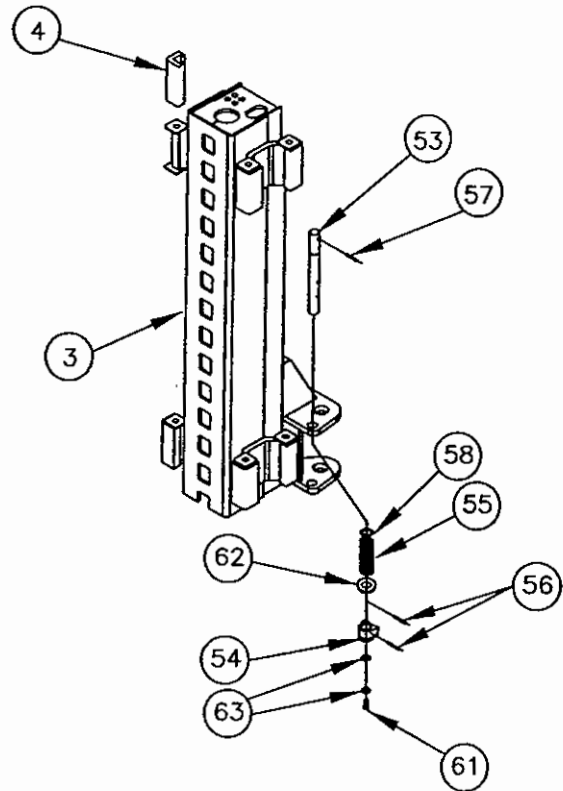
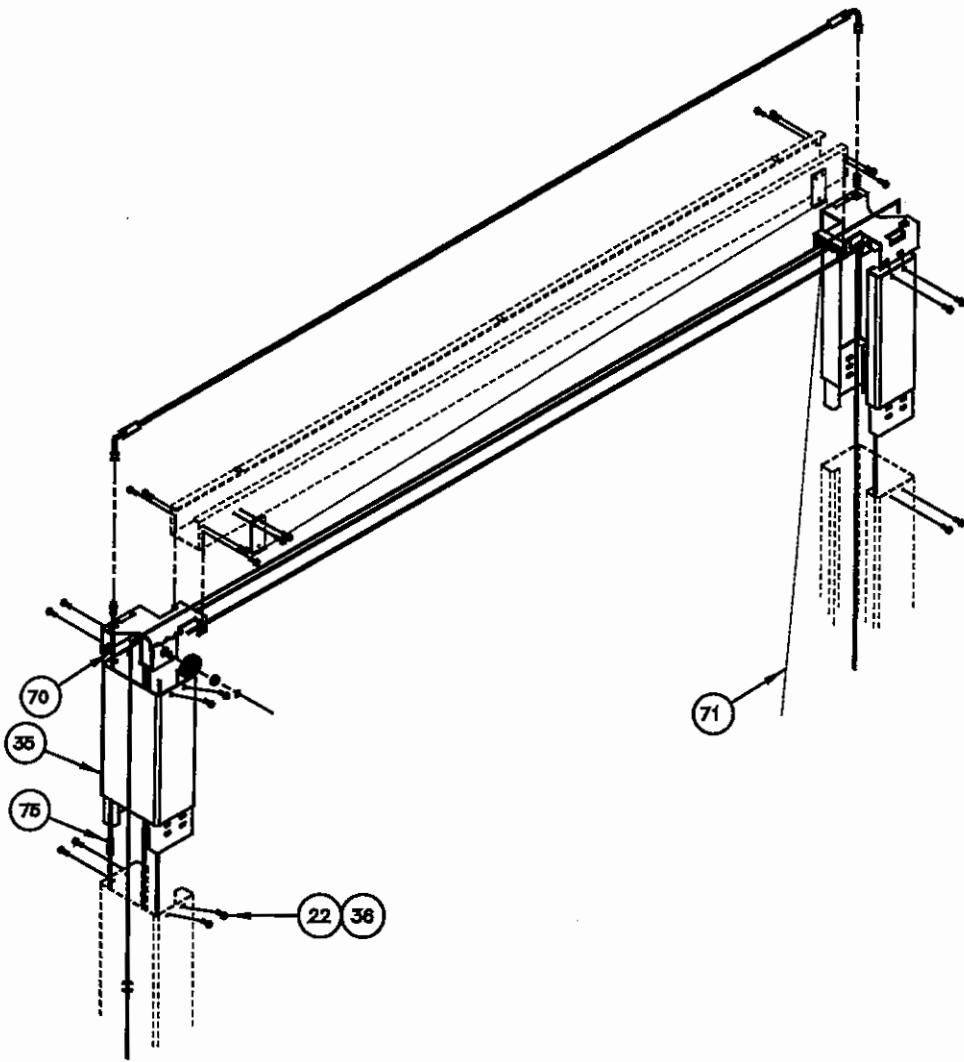


FIG #1

9AI, 9SI & 9SA





	BASE MODEL	9000AI		9000SI		9000SA	
	LIFT PART NUMBER	90055		90058		90085	
	OVERALL HEIGHT	141-3/8"	QT	141-3/8"	QT	141-3/8"	QT
1	POST STRUCTURE - RH	91500	1	91605	1	91605	1
2	POST STRUCTURE - LH	91512	1	91512	1	91512	1
3	CARRIAGE STRUCTURE	91513	2	91513	2	91513	2
4	BEARING BLOCK	91564	16	91564	16	91564	16
5	SHEAVE	91565	6	91565	6	91565	6
6	SNAP RING 3/4"	103000	6	103000	6	103000	6
7	FLATWASHER 3/4" SAE	100512	6	100512	6	100512	6
8	TOP CAP STRUCTURE - RH	91528	1	91607	1	91607	1
9	TOP CAP STRUCTURE - LH	91529	1	91607	1	91607	1
10	CROSSOVER CHANNEL	91566	1	91566	1	91566	1
11	BRACKET - SHUTOFF MOUNTING	92495	3	92495	2	92495	2
12	CABLE - SHUTOFF 17'	91375	1	91375	1	91375	1
13	CABLE CLAMP - SHUTOFF	91086	4	91086	4	91086	4
17	HHS 1/4 20 NC X 3/4	100207	4	100207	4	100207	4
18	HEX NUT 1/4-20NC	100131	6	100131	6	100131	6
19	LOCKWASHER 1/4"	100134	6	100134	6	100134	6
20	HEX SCREW 3/8-16NC X 3/4	100179	8	100179	8	100179	8
21	HFHSL SCREW 3/8-16NCX1-1/4	100382	8	100382	8	100382	8
22	HFHSL NUT 3/8-16NC	100239	8	100239	8	100239	8
23	ACTUATOR CABLE - ASSEMBLY	91572	1	91620	1	91620	1
	ACTUATOR CABLE - EH1	91628	1	91630	1	91630	1
	ACTUATOR CABLE - EH2	91629	1	91631	1	91631	1
24	CLIP - CABLE	103021	3	103021	3	103021	3
25	RH CARRIAGE LATCH	91599	1	91599	1	91599	1
26	LH CARRIAGE LATCH	91600	1	91600	1	91600	1
27	HEX JAM NUT 3/8-16	101029	1	101029	1	101029	1
28	HANDLE - CARRIAGE STOP	91574	1	91574	1	91574	1
29	KNOB	91575	1	91575	1	91575	1
30	PIN - PIVOT - CARRIAGE STOP	91576	2	91576	2	91576	2
31	3/4" SNAP RINGS	103000	4	103000	4	103000	4
32	TORSION SPRING - CARRIAGE STOP	103016	2	103016	2	103016	2
33	LATCH COVER - POWER UNIT SIDE	91569	1	91569	1	91569	1
34	LATCH COVER - OFFSIDE	91533	1	91533	1	91533	1
35	EXTENSION WELDMENT - 1' EH1	91636	2	91636	2	91636	2
	EXTENSION WELDMENT - 2' EH2	91633	2	91633	2	91633	2
36	3/8-16 X 1 HFHSL BOLT - EH1 & EH2	100238	8	100238	8	100238	8
37	1/4 FLAT WASHER - EH1 & EH2	100065	2	100065	2	100065	2
38	1/4 EXTERNAL TOOTH LOCK WASHER - EH1 & EH2	100201	2	100201	2	100201	2
#	WIRE NUT - EH1 & EH2	61089	2	61089	2	61089	2
39	EQUALIZER CABLE - 33'	91593	2	91579	2	91579	2
	EQUALIZER CABLE - EH1 - 35'	91626	2	91624	2	91624	2
	EQUALIZER CABLE - EH2 - 37'	91627	2	91625	2	91625	2
40	FLATWASHER 5/8" SAE	100155	4	100155	4	100155	4
41	HEX NUT 5/8-11NC	100192	8	100192	8	100192	8
42	FRONT ARM STRUCTURE	91537	2	91613	2		
	FRONT ARM STRUCTURE - RH					92212	1
	FRONT ARM STRUCTURE - LH					92213	1
#	FRONT ARM EXT. STR. - LONG (CENTER)					92214	2
43	FRONT ARM EXTENSION STRUCTURE	91542	2	91615	2	92215	2
44	REAR ARM STRUCTURE	91548	2	91613	2	91548	2
45	REAR ARM EXTENSION STRUCTURE	91551	2	91615	2	91551	2

		90055		90058		90085	
LIFT PART NUMBER		90055		90058		90085	
OVERALL HEIGHT		141-3/8"	QT	141-3/8"	QT	141-3/8"	QT
#	LIFT PAD ASSEMBLY	91555	4	91555	4	91555	4
46	LIFT PAD STRUCTURE	91556	1	91556	1	91556	1
47	PAD LIFT - BOLT ON	91559	1	91559	1	91559	1
48	HFHSL 3/8-16NC X 3/4	100179	2	100179	2	100179	2
49	FLATWASHER 3/8" SAE	100082	2	100082	2	100082	2
50	LIFT PAD EXTENSION 2-5/8"	91560	4	91560	4	91560	4
51	LIFT PAD EXTENSION 5"	91562	4	91562	4	91562	4
52	ARM PIN STRUCTURE	91063	4	91063	4	91063	4
53	SHAFT - ARM RESTRAINT	91581	4	91581	4	91581	4
54	GEAR - LOCKING	91582	4	91582	4	91582	4
55	SPRING - ACTUATING - ARM RESTRAINT	103017	4	103017	4	103017	4
56	ROLL PIN - 3/16 X 1-1/2	103009	8	103009	8	103009	8
57	ROLL PIN - 1/4 X 2-1/2	103018	4	103018	4	103018	4
58	1" SNAP RING	103019	4	103019	4	103019	4
59	GEAR - ARM RESTRAINT	91584	4	91584	4	91584	4
60	SOCKET HEAD CAP SCREW 3/8-16NC X 1"	101028	8	101028	8	101028	8
61	SOCKET HEAD CAP SCREW-5/16-18 X 3/4	101027	4	101027	4	101027	4
62	FLAT WASHER 1" SAE	100143	4	100143	4	100143	4
63	FLAT WASHER 5/16" SAE	100088	6	100088	6	100088	6
64	CYLINDER	91586	2	91586	2	91586	2
65	HYDRAULIC HOSE	91594	1	91621	1	91621	1
66	HYDRAULIC HOSE 3/8 x 18"	91595	1	91595	1	91595	1
67	HYDRAULIC LINE	91596	1	91596	1	91596	1
68	HYDRAULIC LINE	91597	1	91597	1	91597	1
69	HYDRAULIC LINE	91598	1	91598	1	91598	1
70	HYDRAULIC TUBE EXTENSION - EH1	91639	2	91639	2	91639	2
	HYDRAULIC TUBE EXTENSION - EH2	91638	2	91638	2	91638	2
71	CABLE - SHUT OFF - EH1 & EH2 22'	92498	1	92498	1	92498	1
75	UNION TUBE FITTING - EH1 & EH2	105032	2	105032	2	105032	2
#	CABLE TIE - EH1 & EH2	103025	4	103025	4	103025	4
76	MALE BRANCH TEE	105022	1	105022	1	105022	1
77	CONNECTOR - STRIAGHT	105023	2	105023	2	105023	2
78	UNION ADAPTER	105024	2	105024	2	105024	2
79	FEMALE BULKHEAD CONNECTOR	105025	1	105025	1	105025	1
80	ADAPTER 9/16ORB X 9/16JIC	60544	1	60544	1	60544	1
81	PLUG 9/16 ORB	105026	2	105026	2	105026	2
82	HHFL SCR 5/16X18NCX3/4 GR. 5	100234	4	100234	4	100234	4
83	HH FL NUT 5/16 X 18NC	100237	4	100237	4	100237	4
84	ANCHOR BOLT 3/4 X 5-1/2"	95083	12	95083	12	95083	12
85	SHIMS	95001	24	95001	24	95001	24
86	POWER UNIT - O/H 1PHASE 220V	95100	1	95100	1	95100	1
87	STRAIN RELIEF	103023	1	103023	1	103023	1
88	ADHESIVE 4-WAY CABLE TIE	103020	4	103020	4	103020	4
89	CABLE TIE	103025	4	103025	4	103025	4
90	3/8 x 3/4 SELF TAPPING SCREW	101025	4	101025	4	101025	6
#	SERIAL NAME PLATE	95056	1	95056	1	95056	1
#	BEN PEARSON DECAL 5X36 MYLAR	95005	2	95005	2	95005	2
#	PB/800 DECAL 2X5 MYLAR	95006	1	95006	1	95006	1
#	CAUTION DECAL 9000 LB	95007	2	95007	2	95007	2
#	ETL DECAL	95045	1	95045	1	95045	1
#	ALI UNIFORM WARNING LABELS	95046	1	95046	1	95046	1

	LIFT PART NUMBER	90055		90058		90085	
	OVERALL HEIGHT	141-3/8"	QT	141-3/8"	QT	141-3/8"	QT
#	ALI SAFETY REQUIREMENTS FOR OPERATION		1	95047	1	95047	1
#	ALI LIFTING POINT QUICK REF.	95048	1	95048	1	95048	1
#	LIFTING IT RIGHT MANUAL	95049	1	95049	1	95049	1
#	BLUE TOUCH-UP PAINT	103007	1	103007	1	103007	1
#	YELLOW TOUCH-UP PAINT	103008	1	103008	1	103008	1
#	WARRANTY CARD	83423	1	83423	1	83423	1
#	MANUAL	95055	1	95055	1	95055	1
#	GREASE 2-EP 1# CAN	95116	1	95116	1	95116	1
#	NOT SHOWN						