

MAGNUM **L I F T S**™

“RAISING THE STANDARDS”

MODEL OE-Q10000

TWO POST

10,000 lbs Capacity
2,500 lbs per Arm

**INSTALLATION, OPERATION MANUAL
AND PARTS BREAKDOWN**

QUALITY LIFTS L.P.
200 Cabel St., P.O. Box 3972, Louisville, KY 40206
PHONE: 502-583-5438 FAX: 502-583-5488
TOLL FREE: 877-771-5438
www.qualitylifts.com

VERTICAL CLEARANCE

Check the height of the area where the lift is to be installed. Clearance should be calculated based on the full raised height of the lift.



Failure by purchaser to provide adequate clearance could result in unsatisfactory lift performance, property damage, or personal injury.

lift performance, property damage, or personal injury.

FLOORING

Be certain you have the proper concrete floor to properly handle the loaded lift. Floor should be in generally good condition with no large cracks, spalling or deterioration.

Minimum requirements for concrete are 4 inches minimum depth, with steel reinforcement, 3500 psi, cured for 28 days per local commercial practice. Floor should be level within 3/8 inch over the installation area. No anchors should be installed within 8 inches of any crack, edge, or expansion joint. If these conditions cannot be met, a pad may be poured to accommodate the lift.

Check with local building inspectors and/or permits office for any special instructions or approvals required for your installation.



Failure by purchaser to provide the recommended mounting surface could result in unsatisfactory lift performance, property damage, or personal injury.

result in unsatisfactory lift performance, property damage, or personal injury.

LOCATION

This lift has been evaluated for indoor use only with an operating ambient temp. range of 5 – 40°C (41–104°F)

ELECTRICAL REQUIREMENTS

For lift installation and operation for single phase units, it is necessary to have a dedicated circuit with a double pole 25 amp circuit breaker or time delay fuse.

SAFETY NOTICES AND DECALS

For your safety, and the safety of others, read and understand all of the safety notices and decals included here.

READ ENTIRE MANUAL BEFORE ASSEMBLING, INSTALLING, OPERATING, OR SERVICING THIS EQUIPMENT. PROPER MAINTENANCE AND INSPECTION IS NECESSARY FOR SAFE OPERATION. DO NOT OPERATE A DAMAGED LIFT.

Safety decals similar to those shown here are found on a properly installed lift. Be sure that all safety decals have been correctly installed on the Power Unit reservoir. Verify that all authorized operators know the location of these decals and fully understand their meaning. Replace worn, faded, or damaged decals promptly.



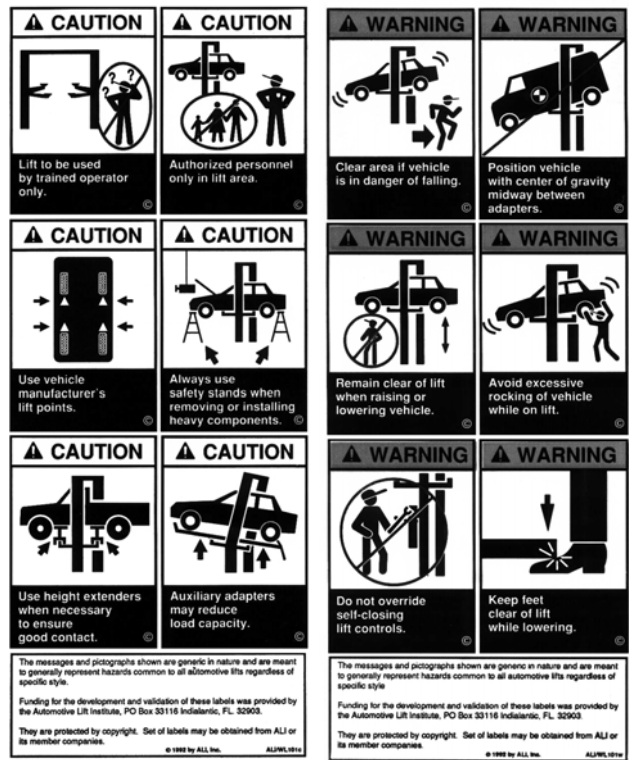
Do not attempt to raise a vehicle on the lift until the lift has been correctly installed and adjusted as described in this manual.



If attachments or accessories or configuration modifying components that are located in the load path, affect operation of the lift, affect the lift electrical listing or affect intended vehicle accommodation are used on this lift and, if they are not certified for use on this lift, then the certification of this lift shall become null and void. Contact the participant for information pertaining to certified attachments, accessories or configuration modifying components.

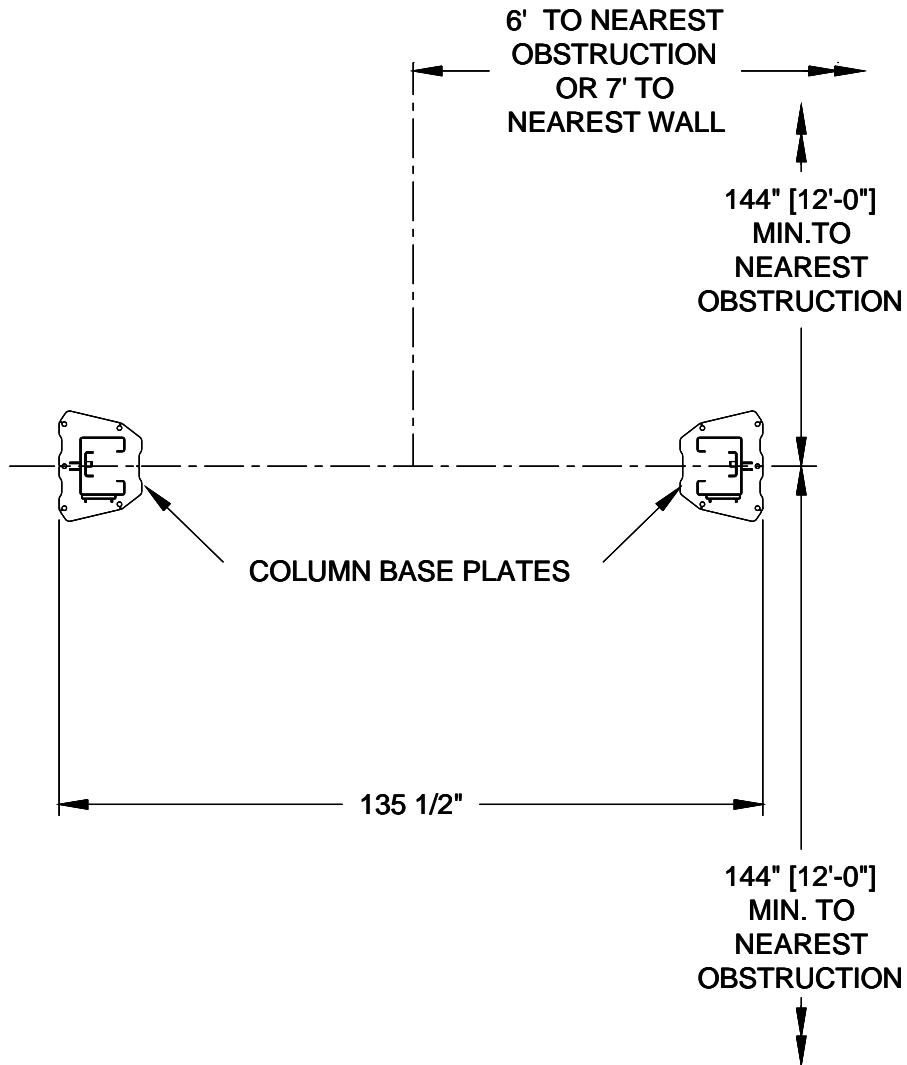
SAFETY INSTRUCTIONS

www.autolift.org ©2007 by ALI, Inc. ALI/WLSIA01



1. **Lift Location:** Use architects plan when available to locate lift in shop. **See Figure 1** for a typical bay layout.

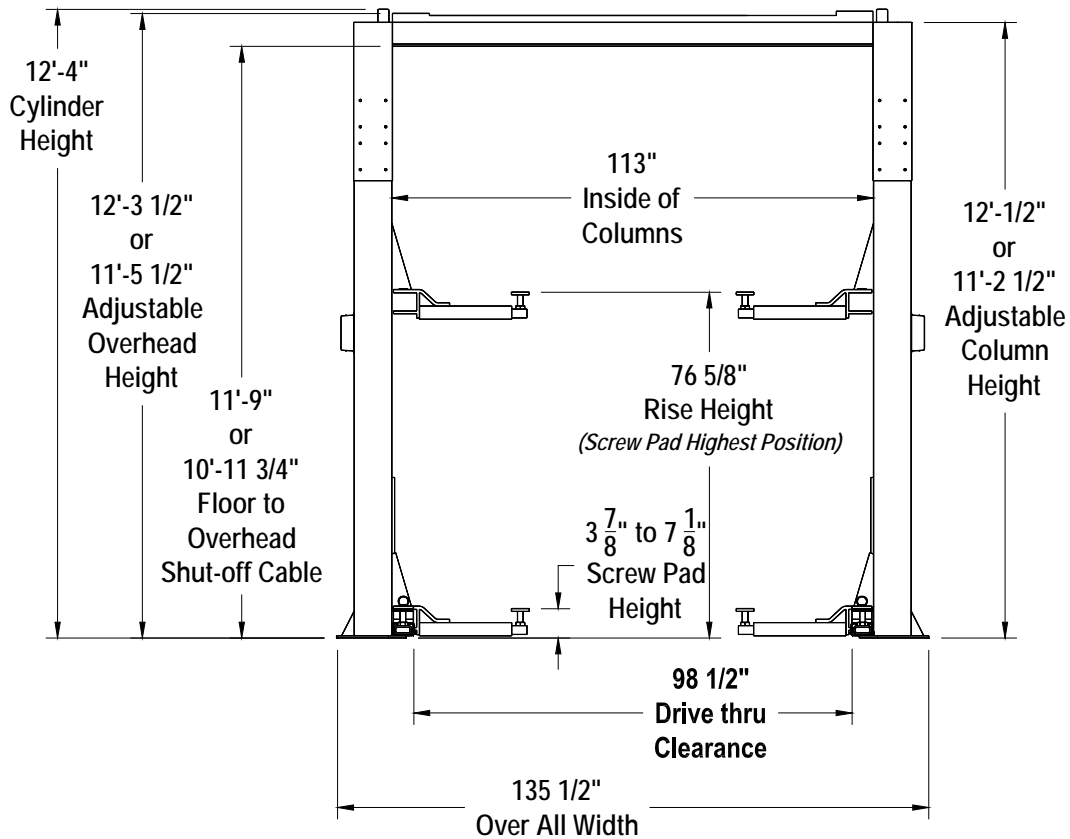
Figure 1 Typical Bay Layout



NOTE: Power Column is recommended to be installed on the passenger side of lift. **See Page 13** for Power and Idler Column diagram.

- Lift Height:** See Figure 2 for overall height of lift. Allow a minimum of 1" between lowest obstruction and top of lift.

Figure 2



- Lock Release Pulley:** Install the lock release pulley to the column extensions. You will find the pulleys attached to inside of column extension or in the parts box. The pulley must be installed with the pulley up and the bracket mounted to the outside of the column extension. See Figure 3.

Top pulley should line up with pre-attached pulley near the locking pawl on column.

- Column Extensions:** Install column extensions before standing columns. See Page 15.

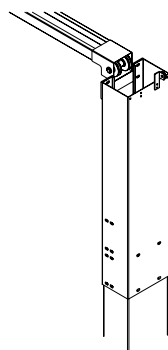


Figure 3

The Lock Release Pulley is located inside extension for shipping

5. **Lift Setting:** Position columns in bay using dimensions shown in **Figure 1**. Again, It is recommended that the column with power unit mounting bracket be located on passenger side of lift. Both column base plates must be square to one another.
6. **IMPORTANT:** Using the horseshoe shims provided, shim each column base until each column is plumb. If one column has to be elevated to match the plane of the other column, full size base shim plates should be used. Recheck columns for plumb. Tighten anchor bolts to an installation torque of 150 ft.-lbs. Shim thickness **MUST NOT** exceed ½” when using the 5 ½” long anchors provided with lift. Plumb the column uprights. **See Figure 5.**

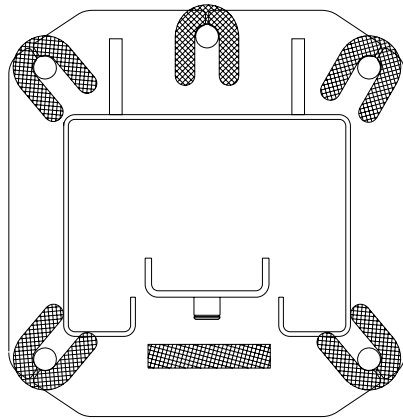
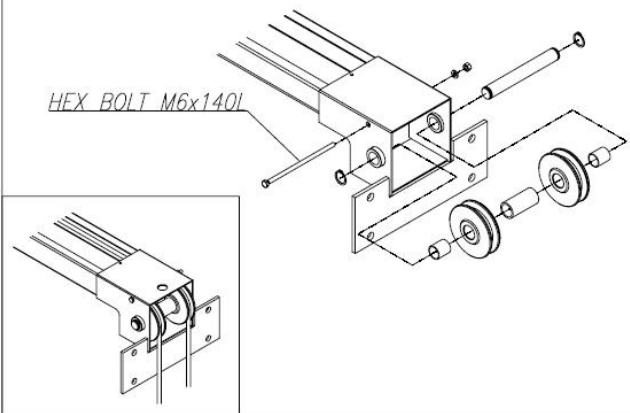


Figure 5

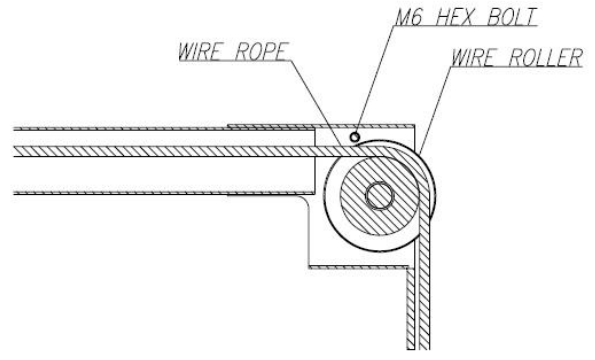
7. **Overhead Installation:** Assemble overhead sections. **See Page 18.** Raise overhead beam into position between columns. The beam attaches to the top of the column extension with four bolts on each side. **See Page 15** for diagram.
8. **Overhead Shutoff Switch Installation:**
 - Install eyebolts in pre-drilled holes at the top of each column extension on the front side of the lift (side where power unit is located). Secure with the provided washers and nuts.
 - Attach cable to Idler side eyebolt using aluminum cable crimp.
 - Run attached cable on the Idler Column through the eyebolt on the Power Column.
 - Route the cable at a 90 degree angle so that it runs down the Power Column and attach to the cut-off switch in the top of the motor with an aluminum crimp. **Make sure before final crimp that all slack is taken out of the cable so that the cable is tight.**
9. **Power Unit:** Mount power unit with motor up to column bracket. Use four 5/16” X 1” bolts, nuts and flat washers provided. Install and hand tighten 90° fitting to pump until O-Ring is seated. Tighten locknut to 35 – 40 ft.-lbs. Connect supply hoses. Make sure the hoses at the top of each column are clear of the cylinder path when the lift is at full rise.
Note: Over tightening locknut may tear O-Ring.

10. Cable Trapping: At each sheave location disassemble and reassemble the cable trapping bolt to install the cable onto the sheave.

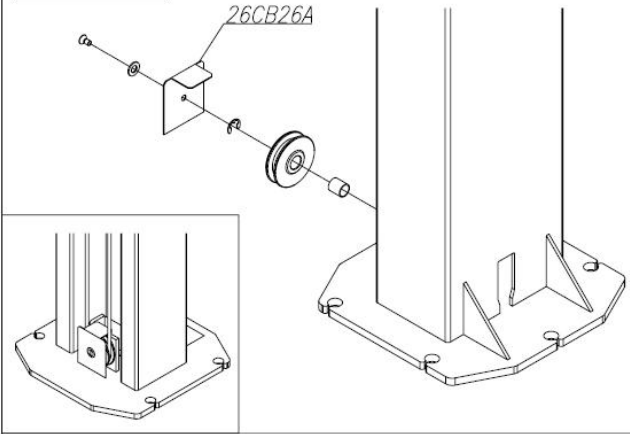
UPPER CROSS BEAM



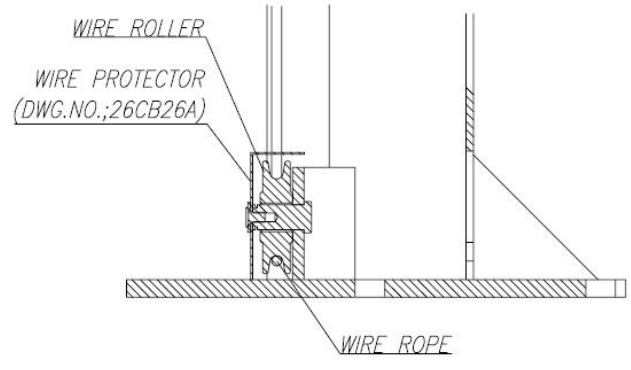
SIDE SECTION VIEW



BASE ROLLER



SIDE SECTION VIEW



11. Hoses: Clean adapters and hoses. Inspect all threads for damage. Inspect all hose ends to be sure they are crimped. Route hose over Column Extension making sure to stay clear of cylinder at full stroke, see **Figure 6**

Flared Fittings Tightening Procedure:

1. Screw fittings together finger tight. Using proper size wrench, rotate the fitting 2 ½” hex flats.
2. Back the fitting off one full turn.
3. Again tighten the fittings finger tight. Using a wrench, rotate the fitting 2 ½” hex flats. This will complete the tightening procedure and develop a pressure tight seal.

Figure 6 - Hose Routing



11. Equalizing Cables:

Cables are pre attached at the factory for the maximum height of 12'-3 1/2". Pull cables from column.

Idler Side: The cable on the offside of column must go over the right hand pulley (when you are facing the carriage) on the overhead on both sides of lift at the top. Then down the column and attach to the cable tab on the carriage. **See Page 20**

Power Side: The cable on the offside of column must go over the right hand pulley (when you are facing the carriage) on the overhead on both sides of lift at the top. Then down the column and attach to the cable tab on the carriage. **See Page 20**

Note - Height Reduction: To lower the lift, the pre attached cables must be moved up, inside the carriage to the optional cable brackets. This will adjust for the slack in the cables. **See Page 20**

The carriage must be raised to the 1st or 2nd lock position to attach cables to the optional brackets. Use appropriate equipment to raise the carriages to latch position. Be sure locking latch is securely engaged.

12. Lock Release Cable:

- A. On the offside of lift slip loop end of cable over end of shoulder screw on the side of latch control plate.
- B. Feed to other end of the cable down to the latch pulley then up the side of the column
- C. Route the cable over the top of the pulley to the far side of the lift.
- D. Route the cable of the top pulley on the power side of the lift.
- E. Bring the cable down the power side column and feed the cable over the pulley just above the safety latch.
- F. Pull the cable through the hole in the shoulder screw on the right side of latch control plate. You may have to loosen the setscrew before pulling cable through.
- G. Using pliers pull the cable tight and tighten the setscrew.
- H. Install Latch Release Handle and test locks. Make sure both locks fully engage lock bar on carriage and fully disengage lock bar.

13. Electrical: Have a certified electrician run 208 – 230V Single Phase 60 Hz power supply to motor. Size wire for a 25 Amp circuit. **See Figure 7**

CAUTION: Never operate the motor on line voltage less than 208 Volts. Motor damage may occur.

IMPORTANT: Use a separate circuit for each power unit if you are installing more than one lift in your service area. Protect each circuit with a time delay fuse or circuit breaker. For single phase 208 – 230V use a 25 Amp fuse. For three phase use a 15 amp fuse. All wiring must comply with NEC and all local electrical codes.

Note: Standard single-phase motor CAN NOT run on 50 Hz line. Motor damage will occur.

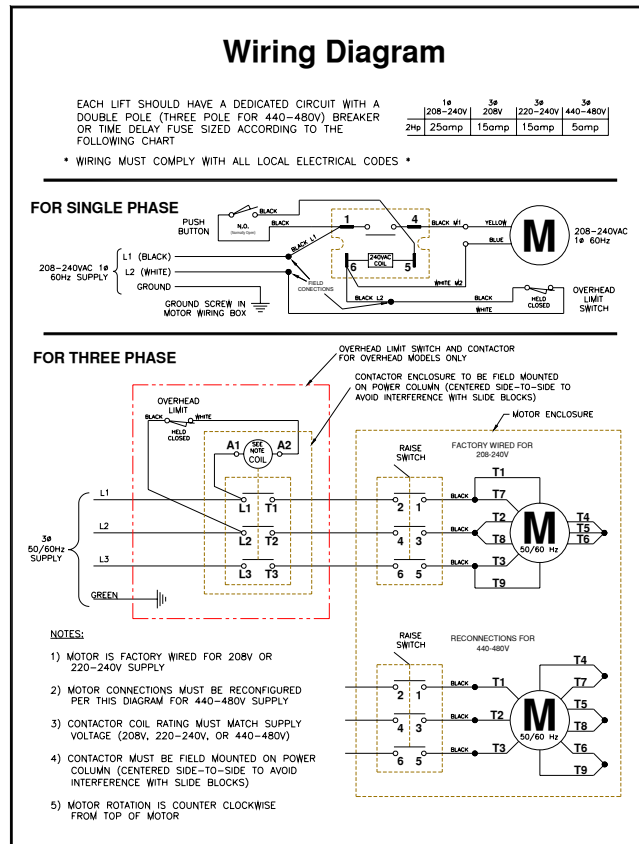


Figure 7

14. Overhead Shutoff Switch: Check overhead wire to verify that the Power Unit stops when the overhead wire is contacted and restarts when the overhead wire is released.

15. Arm & Arm Restraint Installation:

Quality Lifts factory installs arm restraints and arm restraint gears on arms. **The arm restraint gear must be adjusted to correctly engage.**

Install the short arms toward the front of the lift using one of the four arm pins provided. Lubricate each pin with anti-seize before installing. After installing the four arm pins install the four split pins in arm pins. **See Page 16.**

Note: Once arm is installed in yoke, pull up actuator pin and swing arm fully around being sure that Arm Restraint Gear and Arm Restraint stay aligned.

Note: Check operation of arm restraints by raising carriage 3" – 6". Rotate arms. If arms move freely the arm restraint must be adjusted.

Note: Extend the foot pad to both extents and apply “anti-seize” to the three retaining rings and where the double screw makes contact with the base of the foot pad.

16. Oil Fill and Bleeding: Use Dexron III ATF or Hydraulic Oil (must be anti-foam, anti-rust) that meets ISO 32 specifications to fill the reservoir on the power unit. Remove fill-breather cap and pour in fluid until full. Raise lift up just under the 1st locking position (do not place on lock). Loosen the 6mm bleed screws located at the top of cylinders on the sides. Start power unit and run up until the oil seeps out of the bleed screws. When this occurs, the cylinders have been properly bled of air. Tighten the bleed screws and **Replace fill-breather cap** on the power unit.

If fill-breather cap is lost or broken order a replacement. Reservoir must be vented.

17. Lock Release Cable Adjustment:

- A. Check to make sure the latch will properly engage and disengage. Slowly release the latch handle. At 1/8” gap between the top of the latch dog and the column is allowable.
- B. When raising lift, listen to latches to be sure that both latch dogs fall into the latch slots almost simultaneously. If they do not, loosen the setscrew for the latch cable and adjust tension as necessary.
- C. Install both latch covers.

18. Pressure Test: Run lift to full rise and keep motor running for 5 seconds. Stop and check all hose connections. Tighten or reseal any leaks discovered.

19. Equalizer Cable Adjustment: Raise the lift to check equalizer cable tension. Below the carriage, grasp the two adjacent cables between your thumb and forefinger and pull them together. This should require approximately 15 lbs. of pressure.

20. Lubricate Bearing Surface: Quality Lifts are shipped without any lubrication of the bearing surfaces. After installation is complete and before operating the lift all 4 bearing surfaces in each column need to be lubricated. Using the supplied tub of grease, apply to all 4 corners of the column (on the inside) above and below the carriage. (Any type of shop grease can be used to lubricate the columns, if the supplied tub is not available). Upon the raising and lowering of the lift, grease will be worked in sufficiently. This is a regular maintenance procedure that should be done routinely to ensure the full life of the lift.

21. Serial Number and Decal: The serial number is written on the outside of the power unit box. It will be an eight digit number starting with four 0’s (ie. 00002995) and the decal should be attached to the power side column for easy recognition. If the serial tag is not on the column, it will be located in the power unit box with the elbow fitting for the hydraulic line. When talking to the factory (Quality Lifts), always be prepared to identify the lift by this serial number. This is how we track **ALL** lifts

Place the Quality Lifts decal on one of the column extensions. Simply take backing off and apply to the column (making sure it is straight) and rub the letters off.

WARRANTY REGISTRATION

SERIAL # _____ **INV. DATE:** _____

DISTRIBUTED BY: _____

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

CUSTOMER INFORMATION

COMPANY NAME: _____

CONTACT: _____

PHONE NUMBER: _____

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

Please remit above form to:

Quality Lifts
P.O. Box 3972
Louisville, KY 40201
(877) 771-5438 office
(502) 583-5488 fax

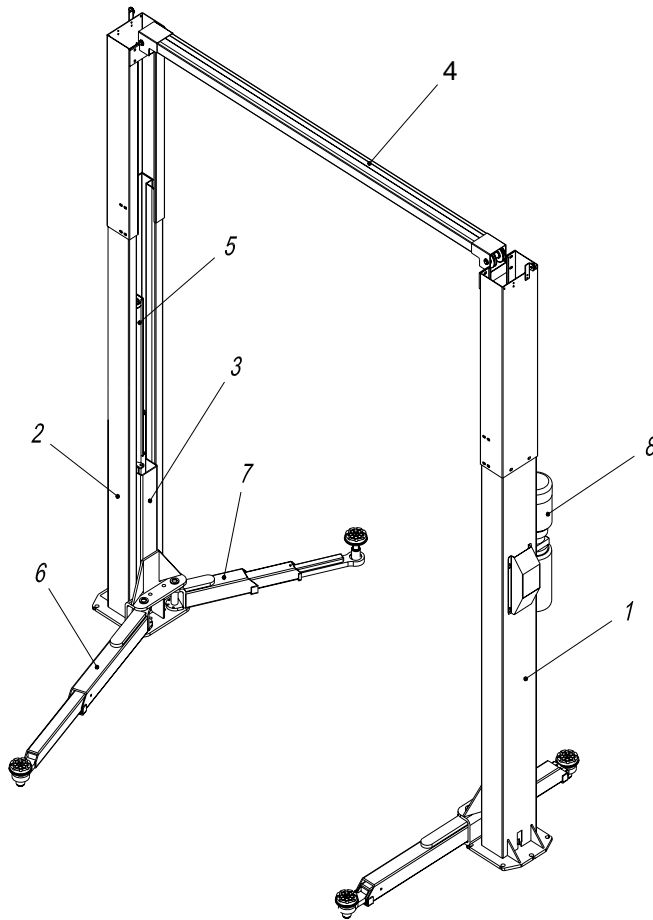
This form must be received for warranty to become effective!

PARTS BREAKDOWN

MODEL Q10000

ITEM #	DESCRIPTION	PAGE #
1	Power Column	15
2	Idler Column	15
3	Carriage	16
4	Overhead	18
5	Cylinder	17
6	Long Arm	17
7	Short Arm	17
8	Power Unit	15

Replace all worn or broken parts with genuine **Quality Lifts** parts.



MODEL Q10000_MAG

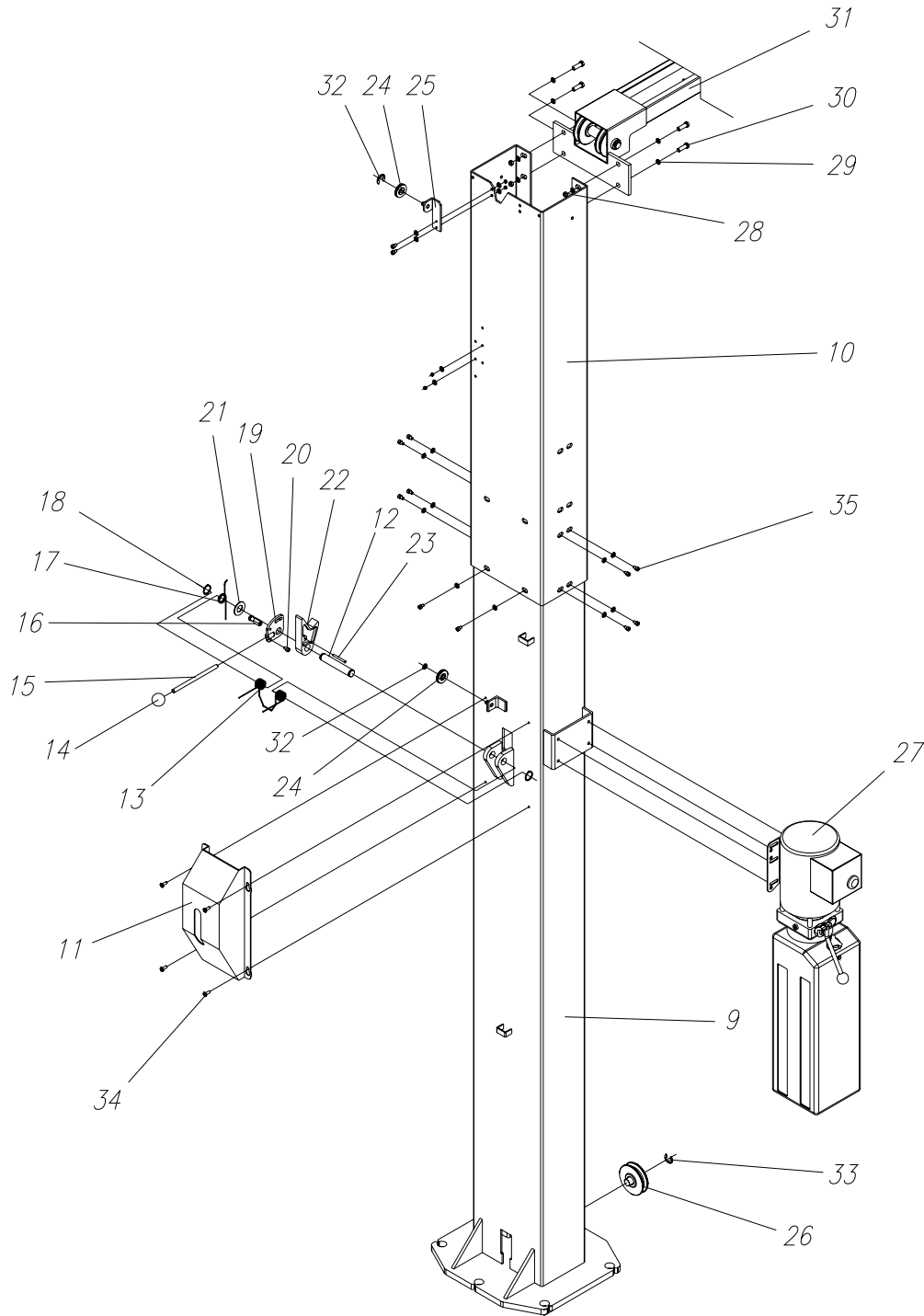
COLUMN AND LOCK

ITEM #	PART #	QTY	DESCRIPTION
9	26C02010	2	Column
10	26K80110	2	Column Extension
11	26K06185/95	2	Lock Release Cover
12	26K06100	2	Lock Release Shaft
13	26K06140	2	Lock Release Spring 1
14	PHANDLE30M10	2	Lock Release Handle
15	26K70140	2	Lock Release Shaft
16	26K06090	2	Lock Release Wire Pin
17	26K06130	2	Lock Release Spring 2
18	SN-E19	4	E-Snap Ring
19	26K06080	2	Lock Release Connector
20	WBM0615	2	Connector Bolt
21	26K06210	2	Lock Spacer
22	26K06110	2	Lock Pawl
23	SPIN0640	2	Spring Pin
24	26K06120	4	Lock Release Pulley
25	26K02150	2(R/1L)	Lock Release Bracket
26	26K06160	2	Pulley
27	AB-1534	1	Power Unit
28	HNM10	8	Hex Nut
29	WPM10	8	Flat Washer
30	HEXM1025	8	Hex Bolt
31	26C76100	1	Overhead
32	SN-E08	4	E-Snap Ring
33	SN-E15	2	E-Snap Ring
34	TRTBM0608	4	Pan Head Screw
35	WBM1020	20	Socket Head Bolt

Replace all worn or broken parts with genuine **Quality Lifts** parts.

MODEL Q10000_MAG

COLUMN AND LOCK



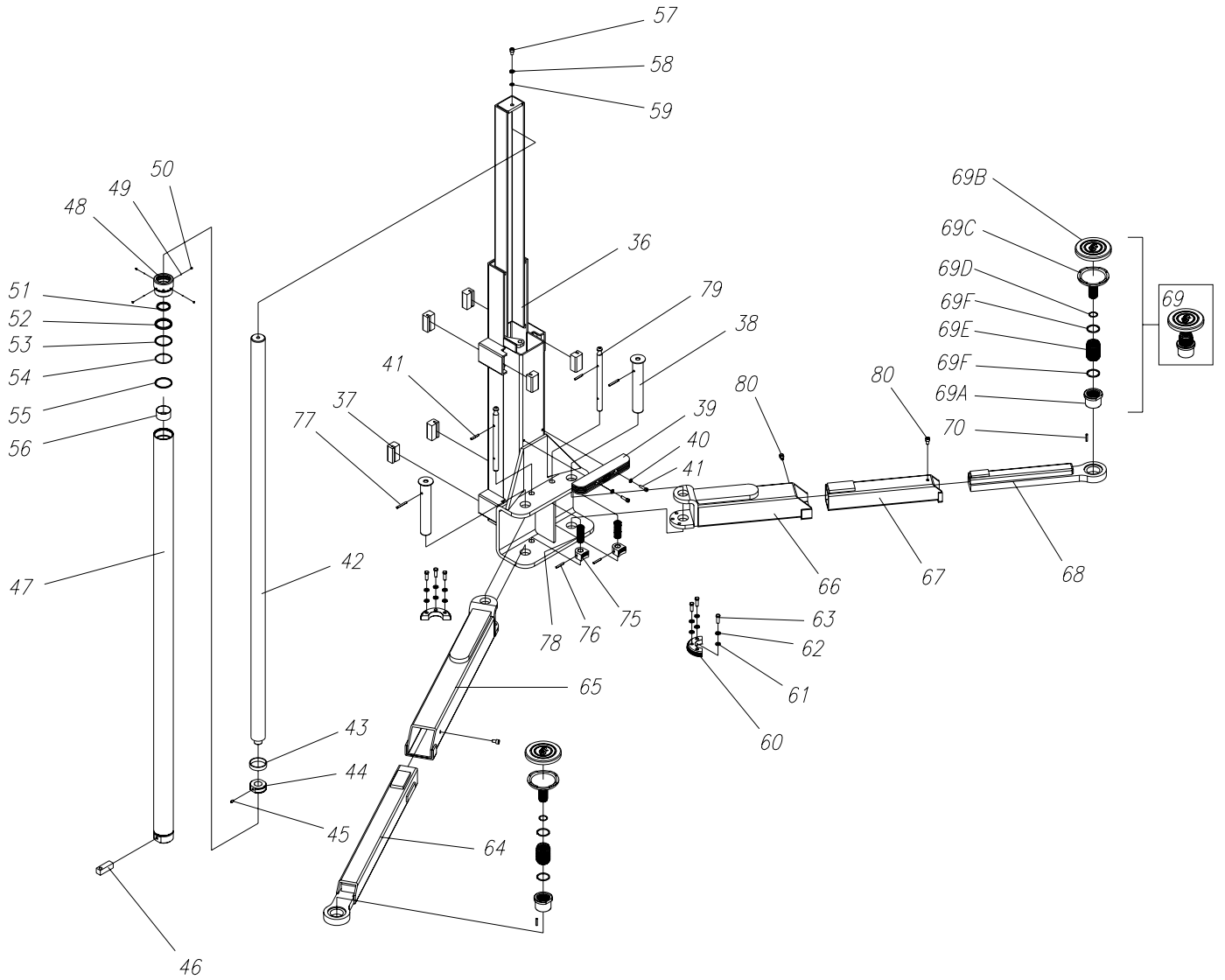
**MODEL Q10000_MAG
CARRIAGE, ARMS AND CYLINDER**

ITEM #	PART#	QTY	DESCRIPTION
36	26K0400	2	Carriage
37	26C06060/70	8/8	Carriage Slide Blocks
38	26K70111	4	Arm Shaft
39	26K06150	2	Rubber Door Protector
40	WPM08	4	Flat Washer
41	WBM0830	4	Allen Bolt
42	26K05000	2	Piston Rod
43	26K05000	2	Wear Ring
44	26K05000	2	Piston
45	26K05000	2	Locking Bolt
46	26C06018	2	Hose Adapter Assembly
47	26K05000	2	Cylinder
48	26K05000	2	Gland
49	26K05000	8	Steel Ball
50	26K05000	8	Locking Bolt
51	26K05000	2	Dust Seal
52	26K05000	2	U-Packing
53	26K05000	2	Back Up Ring
54	26K05000	2	O-Ring
55	26K05000	2	Back Up Ring
56	26K05000	2	Bearing
57	WBM1230	2	Allen Bolt
58	WSM12	2	Spring Washer
59	WPM12	2	Flat Washer
60	26C25040	4	Large Arm Restraint Gear
61	WPM10	12	Flat Washer
62	WSM10	12	Spring Washer
63	HEXM1030	12	Hex Bolt
64	26C23100	2	Long Slide Arm
65	26C21100	2	Long Arm
66	26K32000	2	Short Arm
67	26K34000	2	Short Slide Arm
68	26K36000	2	Short Slide Arm 2
69	B2250	4	Foot Pad Assembly (items 69A-F)
69A	B17276-1	4	Threaded Insert
69B	B2208	4	Rubber Insert
69C	B2205	4	Foot Pad Weld
69D	B17256	4	2 x 30mm Retaining Ring
69E	B17254	4	Threaded Sleeve
69F	B17257	8	3 x 45mm Retaining Ring
70	B2211	4	Roll Pin, 6mm DIA x 30mm Lg.
75	26C06040	4	Small Arm Restraint Gear
76	SPIN0640	8	Spring Pin
77	SPIN0650	4	Spring Pin
78	26K06050	4	Arm Restraint Spring
79	26K06030	4	Small Gear Shaft
80	WBM1015	6	Allen Bolt

Replace all worn or broken parts with genuine **Quality Lifts** parts.

MODEL Q1000_MAG

CARRIAGE, ARMS AND CYLINDER

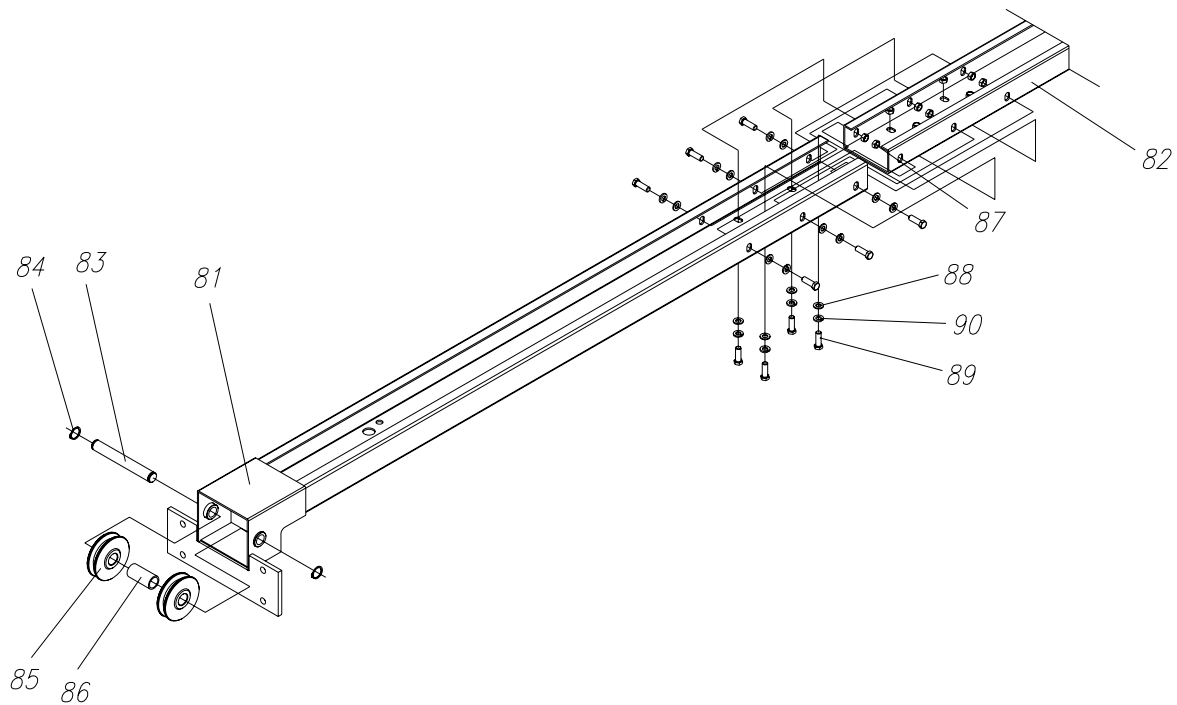


MODEL Q1000_MAG

OVERHEAD

ITEM #	PART #	QTY	DESCRIPTION
81	26K76300	1	Overhead (1)
82	26K76300	1	Overhead (2)
83	26K40010	2	Pulley Shaft
84	SN-CS20	4	Snap Ring
85	26K06160	4	Pulley
86	26K40510	2	Pulley Spacer
87	HNM10	10	Hex Nut
88	WPM10	10	Flat Washer
89	HEXM1025	10	Hex Bolt
90	WSM10	10	Spring Washer

Replace all worn or broken parts with genuine **Quality Lifts** parts.

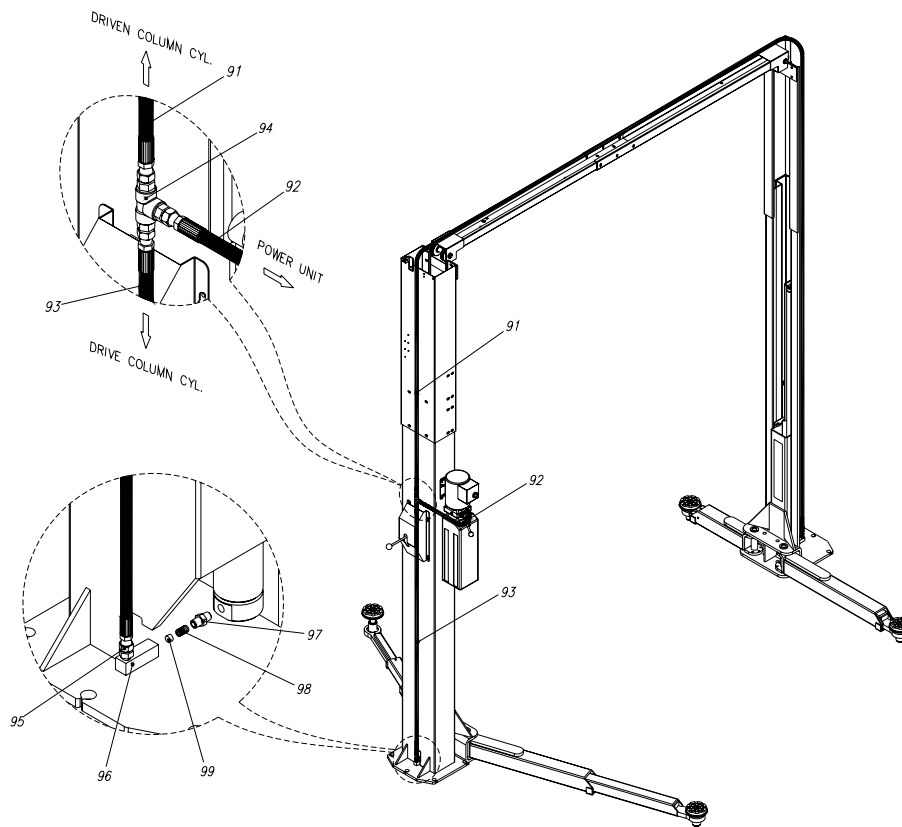


MODEL Q10000_MAG

HYDRAULICS

ITEM #	PART #	QTY	DESCRIPTION
91	26K70120	1	Pressure Hose 1- 5/16"x1W
92	26C00010	1	Pressure Hose 2- 5/16"x1W
93	26K01030	1 <td Pressure Hose 3- 5/16"x1W	
94	26K01040	1	Union Tee
95	HMCM-1/4-O5U	1	Oil Steel Nipple
96	26K06020	1	Hose Adapter Block
97	38100400	1	Oil Nipple
98	31S71203	1	Orifice Spring
99	26K06180	1	Orifice

Replace all worn or broken parts with genuine **Quality Lifts** parts.

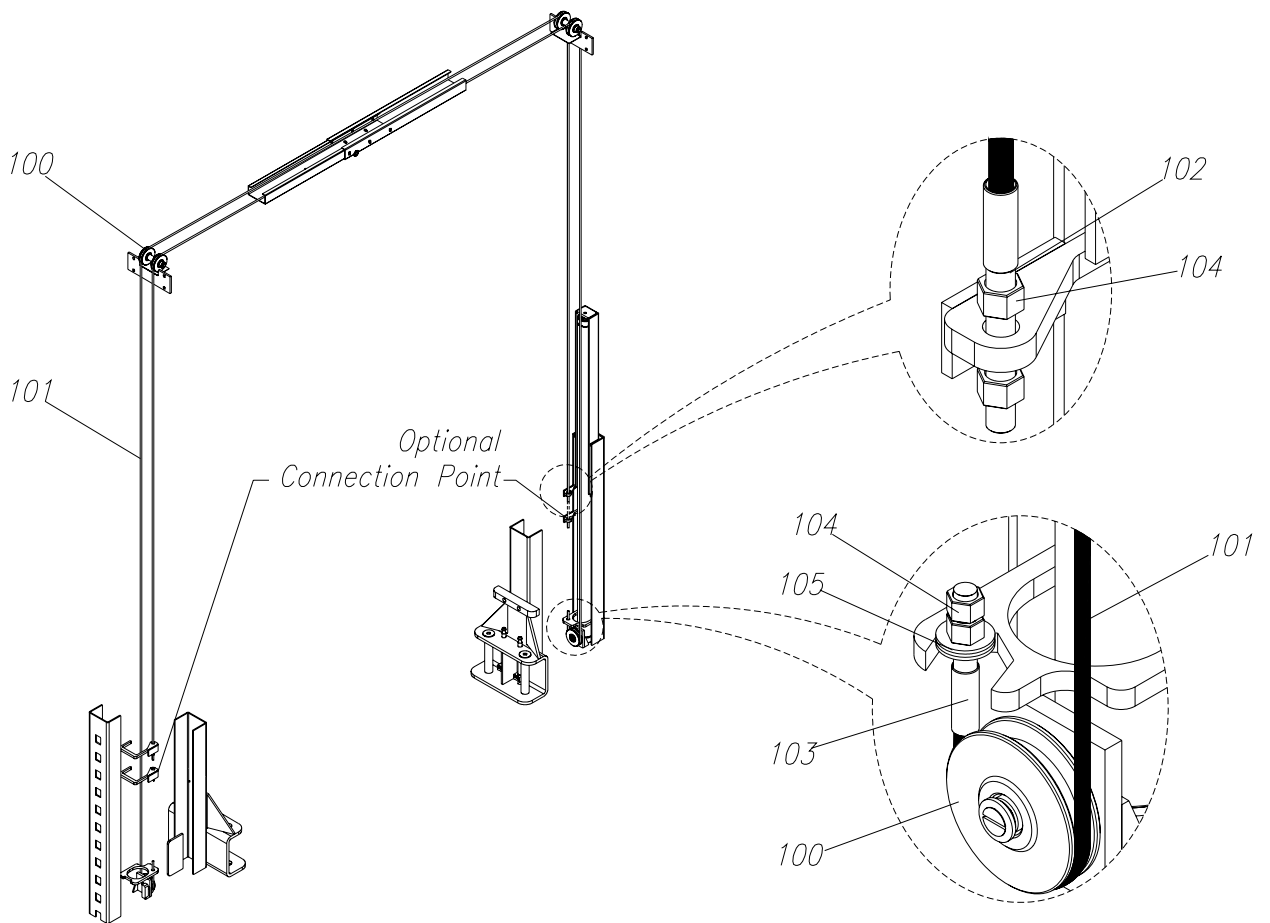


MODEL Q10000_MAG

SYNCHRONIZATION

ITEM #	PART#	QTY	DESCRIPTION
100	26K06160	6	Pulley
101	26K06010	2	Cable
102	26K06011	2	Cable Bolt
103	26K06012	2	Cable Bolt
104	HNM12	8	Hex Nut
105	WPM12	4	Flat Washer

Replace all worn or broken parts with genuine **Quality Lifts** parts.



MODEL Q10000 MAG

OPERATION AND MAINTENANCE PROCEDURE

SAVE THESE INSTRUCTIONS deliver them to owner/user/employee along with other materials furnished with this lift.

OWNER/OPERATOR CHECKLIST

- 1) Demonstrate the operation of the lift to the owner/operator and review correct and safe lifting procedures using the **Lifting It Right** booklet as a guide.
- 2) Complete the Installation Checklist/Warranty Validation questionnaire with the owner. Review the terms of the warranty registration card, and return the card and a copy of the questionnaires to:

QUALITY LIFTS L.P.

200 Cabel Street
Louisville, KY. 40206

OPERATION PROCEDURE

SAFETY NOTICES AND DECALS

This product is furnished with graphic safety warning labels, which are reproduced on page 3 of these instructions. Do not remove or deface these warning labels, or allow them to be removed or defaced. For your safety, and the safety of others, read and understand all of the safety notices and decals included.

OWNER/EMPLOYER RESPONSIBILITIES

This lift has been designed and constructed according to ANSI/ALI ALCTV-2006 standard. The standard applies to lift manufactures, as well as to owners and employers. The owner/employer's responsibilities as prescribed by ANSI/ALI ALOIM-2000, are summarized below. For exact wording refer to the actual standard provided with this manual in the literature pack.

The Owner/Employer shall insure that lift operators are qualified and that they are trained in the safe use and operation of the lift using the manufacturer's operating instructions; ALI/SM 93 -1, ALI Lifting it Right safety manual; ALI/ST-90 ALI Safety Tips card; ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance; ALI/WL Series, ALI Uniform

Warning Label Decals/Placards; and in case of frame engaging lifts, ALI/LP-GUIDE, Vehicle Lifting Points/Quick Reference Guide for Frame Engaging Lifts.

The Owner/Employer shall establish procedures to periodically inspect the lift in accordance with the lift manufacturer's instructions or ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance; and the employer shall insure that the lift inspectors are qualified and that they are adequately trained in the inspection of the lift.

The Owner/Employer shall establish procedures to periodically maintain the lift in accordance with the lift manufacturer's instructions or ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance; and the employer shall insure that the lift maintenance personnel are qualified and that they are adequately trained in the maintenance of the lift.

The Owner/Employer shall maintain the periodic inspection and maintenance records recommended by the manufacturer or ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance.

The Owner/Employer shall display the lift manufacturer's operating instructions; ALI/SM 93 -1, ALI Lifting it Right safety manual; ALI/ST-90 ALI Safety Tips card; ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance; and in the case of frame engaging lift, ALI/LP-GUIDE, Vehicle Lifting Points/Quick Reference Guide for Frame Engaging Lifts; in a conspicuous location in the lift area convenient to the operator.

Important Safety Instructions

When using your garage equipment, basic safety precautions should always be followed, including the following:

- 1** Read all instructions.
- 2** Care must be taken as burns can occur from touching hot parts.
- 3** To reduce the risk of fire, do not operate equipment in the vicinity of open containers of flammable liquids (gasoline).
- 4** Adequate ventilation should be provided when working on operating internal combustion engines.
- 5** Keep hair, loose clothing, fingers, and all parts of body away from moving parts.
- 6** To reduce the risk of electric shock, do not use on wet surfaces or expose to rain.
- 7** Use only as described in this manual. Use only manufacturer's recommended attachments.
- 8** Maintenance personnel should follow lockout/tagout instructions per ANSI Z244.1.

Save These Instructions

PREPARATION

- 1) When operating the lift up or down, keep your concentration on the vehicle and what you are doing.
- 2) If there are two or more lifts, make sure not to touch the controls of another lift.
- 3) Do not lift a vehicle that exceeds the maximum capacity of this lift.
- 4) Do not lift a vehicle with a person or load inside.
- 5) When raising or lowering the lift, make sure to pause 1-2 seconds between the transitions.
- 6) This lift is designed for automotive maintenance only. Do not use the lift for any other purpose. Doing so could void the warranty.
- 7) If any of the safety devices are not operating correctly, stop the lift immediately and locate the problem. **DO NOT OVERRIDE ANY OF SAFETY FEATURES**, doing so could result in serious injury or even death.
- 8) Any defect or damage that occurs due to mishandling or maintenance could void the warranty.
- 9) Make sure to drive the vehicle smoothly into and away from the lift and avoid sudden stops. The tires may be slippery, especially if wet.
- 10) Never go under the vehicle while operating the lift. If there is a possibility of the vehicle falling- immediately leave the area.
- 11) Do not operate the lift if the vehicle is tilted or leaning. This could cause the vehicle to fall.
- 12) This unit is not designed for outdoor installation or for car wash purposes. Doing so could void the warranty.

LIFTING A VEHICLE

- 1) Insure carriages are at the lowest position and the lifting arms are open to their full drive thru position.
- 2) Position the vehicle in the bay so that the vehicle's "center of gravity" is located between the two columns.

Insure that the highest point of the vehicle will make contact with the overhead shut-off cable..

Do not place vehicle in the bay backwards.

Do not attempt to lift the vehicle with only two arms, doing so could void the warranty.

Refer to vehicle manufacturers service manual, technical bulletins, " Vehicle Lifting Points Guide" or other publications to locate the recommended lifting points.

- 3) Position the arms and adapters so all four pads contact the vehicle simultaneously.
The vehicle should remain level during lifting and lowering.
- 4) Raise the lift until all four wheels are just off the ground. Test the stability by slightly rocking the vehicle. Check pads to ensure they are in secure contact with vehicle lifting points. If the vehicle seems unstable, lower the lift and readjust the arms. When vehicle is in a stable position raise it just above the desired working height.
- 5) Lower the vehicle until the safety latches on **BOTH** columns engage. At this point the vehicle should be stationed in a level position. If only one side engages, stop lowering the vehicle, raise it several inches, and try to engage both latches again. The vehicle is not secure until the lift is engaged in both latches.

Always lower the lift into the locks before going under the vehicle.

Always use recommended safety stands when removing or installing heavy components.

LOWERING A VEHICLE

- 1) Insure that the area under and around the vehicle is clear of personnel and tools.
- 2) Raise the vehicle until both locking latches are released.
- 3) Disengage the latches by pulling down and holding the lock release handle. This is a single point lock release and holding the handle down releases the locks in both columns.
- 4) Lower the vehicle by depressing the lowering (dump) valve handle.
- 5) Continue to lower the vehicle until the carriages stop against the base plate. At this point the arm restraints will automatically disengage. Retract the extension arms and place the arms in the drive thru position. It is now safe to drive the vehicle out of the bay.

MAINTENANCE

To avoid personal injury permit only qualified personnel to perform maintenance on this equipment. Maintenance personnel should follow lockout/tagout instructions per ANSI Z244.1.

The following maintenance points are suggestions for a preventive maintenance program. The actual program should be tailored to the particular installation.

- Never operate the lift until the proper repair is completed. Using the lift with the defect not repaired may cause damage, serious accident or even death. Doing so could void the warranty.
- If lift stops short of full rise or chatters going up, check the fluid level and bleed both cylinders as explained in installation instructions.

- Only use parts or accessories that are authorized by Quality Lifts.

DAILY

- Keep lift components clean and dry.
- Check for loose or broken parts.
- Check hydraulic system for any fluid leaks.

WEEKLY

- Check arm support rubber footpads (Item 70 Page 16) for abrasions and deformations.
- Check synchronization cables and pulleys for excessive wear. Replace as required with genuine Quality Lifts parts.
- Check synchronization cable tension as described in installation instructions. Adjust if necessary.

MONTHLY

- Check the anchor bolts- torque them to 90 ft-lbs. Do not exceed 90 ft-lbs after initial installation. Doing so will slowly pull the anchors out of the concrete.
- Check overhead shutoff switch. While raising lift, trigger the shutoff cable. The power unit motor should stop when the cable is raised. ***This is very important to keep from running a vehicle into the overhead beam.***
- Lubricate bearing surfaces- Use the supplied tub or any heavy viscous grease to lubricate the 4 inside corners (bearing surfaces) of both columns. This will help against unusual “wear and tear” on the carriage slide blocks and column surface.

SEMI-ANNUALLY

- Check power unit hydraulic fluid level per the installation instructions.
- Check carriage slide blocks for abrasions.

IF ANY PROBLEMS ARE ENCOUNTERED CONTACT YOUR LOCAL SERVICE REPRESENTATIVE OR THE MANUFACTURER FOR ASSISTANCE.

TROUBLE SHOOTING GUIDE

Q10000

<u>TROUBLE</u>	<u>CAUSE</u>	<u>SOLUTION</u>
Lift going up unlevel	1) Synchronization cables out of adjustment 2) Lift is installed on unlevel floor	1) Adjust cables to the correct tension (See manual) 2) Shim lift to level columns (Do not exceed ½")
Carriages not going up	1) Leak in hydraulic system 2) Overloading the lift rated capacity 3) Problem with pressure relief valve	1) Find and repair leak 2) keep load under the 3) Clean or replace the valve
Carriages not going down	1) Carriage still engaged in the lock 2) Lowering valve clogged 3) Vehicle not loaded (spotted) correctly 4) Foreign object blocking the carriage	1) Raise lift up, push lift lowering valve, and lower 2) Check lowering valve in power unit 3) Check pickup points for that particular vehicle 4) Remove the object
Locking latches do not engage	1) Lock release shaft rusted. (Usually occurs on outside installations or wash bays) 2) Lock release spring broken 3) Lock release cables need adjustment	1) Remove covers, oil the mechanism. Operate locks to allow oil to penetrate 2) Replace broken spring 3) Adjust clamp at cable end
Lift chatters on the way up	1) Air in the cylinders	1) Bleed cylinders
Fluid Leak	1) Defect in hydraulic hose	1) Replace hydraulic hose

	2) Defect in fitting	2) Tighten fitting, and replace if necessary
	3) Defect in cylinder packing (seals)	3) Repack seals or replace cylinder if necessary
Fluid is contaminated	1) Water or foreign substance	1) Replace hydraulic fluid
Slow lowering speed	1) Plugged cylinder orifice	1) Remove and clear orifice
	2) Lowering valve (screen) clogged	2) Remove and clean valve
	3) Wrong weight of fluid	3) Replace with recommended fluid
	4) Pinch or restriction in hydraulic hoses	4) Clean and/or replace hydraulic hoses
	5) Foreign object in carriage	5) Remove foreign object
Footpads slipping from pickup point when raising lift	1) Column not plumb	1) Plumb columns
Arms dragging on floor (sagging)	1) Lift out of plumb	1) Plumb columns
	2) Unlevel floor	2) Replace floor or shim columns
	3) Worn arm pins	3) Replace arm pins
	4) Worn arm or carriage holes	4) Replace parts
	5) Worn carriage slide blocks	5) Replace slide blocks
	6) Bent arm (overloaded)	6) Replace arm and check damage to carriage
Anchors will not stay tight	1) Oversized holes	1) Relocate lift using a new bit to drill holes
	2) Concrete floor thickness or PSI strength not sufficient	2) Tear out old concrete and pour new pads for the lift
	3) Anchors not torqued correctly	3) Torque bolts to the correct spec
Abnormal noise from the power unit	1) Overloading the lift	1) Keep load under the rated capacity.
	2) Hydraulic fluid low	2) Check fluid level, fill and

bleed cylinders

Motor will not work

- 1) Defect in motor
- 2) Fuse disconnected
- 3) Defect in power button
- 4) Overhead shut-off cable is activated
- 5) Incoming power voltage is less than 220V that is needed

- 1) Contact service center
- 2) Fix fuse
- 3) Replace button
- 4) Deactivate shut-off system
- 5) Have licensed electrician check the wiring

If you do not feel comfortable or qualified with trying the “Solutions” contact an authorized service center immediately to perform the necessary procedures. Contact Quality Lifts if you need a recommendation for a service center.