INSTALLATION & OPERATION MANUAL

QL6KRBG

6,000 lb Air Jacking Beam
For Quick Lift 10,000 lb four-post and HD 12,000 lb four-post lifts.



Read this manual before installing or operating the jacking beam.
Keep it near the lift and make sure every operator understands the safety instructions. Improper installation or operation can cause serious injury or death.

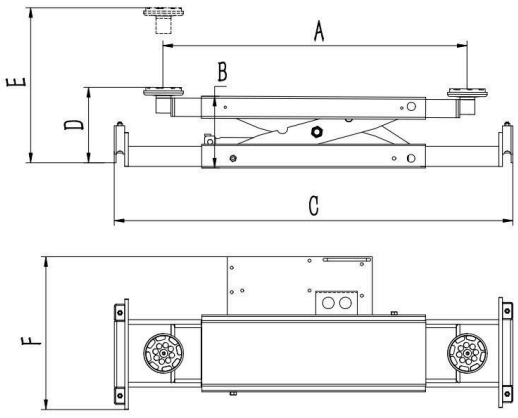
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Product specifications

Model	QL6KRBG
Lifting capacity	6,000 lb
Operation	Air-over-hydraulic foot pump
Compatible lifts	Quick Lift 10,000 lb four-post and HD 12,000 lb four-post
Pad reach (A)	33.07-53.43 in.
Minimum frame height (B)	8.46 in.
Adjustable support-base span (C)	33.86-52.83 in.
Minimum rubber-pad height (D)	8.62 in.
Maximum height without adapters	17.76 in.
Maximum height with adapters (E)	20.28 in.
Overall width (F)	20.08 in.
Included extension adapters	Two 2.5 in. adapters
Air supply	Greater than 116 PSI
Air treatment	Air filter / water separator required
Safety system	Self-locking mechanism and mechanical safety lock
Hydraulic oil	ISO VG 32
Installation	Indoor use on compatible lift rails
Manufacturer warranty	2 years

The 6,000 lb limit applies to the load supported by this jacking beam. It does not increase the capacity of the four-post lift. Use only the vehicle manufacturer's approved lifting points.



Important safety instructions

Only trained and authorized operators may install or operate this equipment. Read the four-post lift manual and vehicle lifting instructions before use. Keep untrained persons and bystanders clear.

Do not exceed 6,000 lb or any lower limit of the lift, adapters, vehicle lifting points or supporting system. Never lift people or a vehicle with occupants inside.

Use indoors on compatible runway rails. This jacking beam is supported by the lift rails; do not use it as a freestanding floor jack or to move a raised load.

Inspect rails, rollers, pins, hoses, pads, adapters and safety locks before use. Remove damaged or defective equipment from service. Do not alter the structure, hydraulic circuit or safety devices.

Engage the four-post lift's mechanical locks before using the beam. Center the beam under the intended lifting area, align both pads with approved lifting points and check stability before continuing.

Lower the raised beam onto its mechanical safety lock before approaching or working beneath the vehicle. Hydraulic pressure alone is not a support. Verify that the lock is fully engaged.

Keep hands, feet and tools away from the scissors, rollers and other pinch points. Keep the area below and around the load clear while raising or lowering. Wear appropriate protective footwear.

Keep the work area clean, dry and well lit. Clean oil spills promptly. Stay alert and stop if the vehicle shifts, a pad loses contact, the lock fails to engage or an abnormal condition occurs.

Receiving, storage & installation preparation

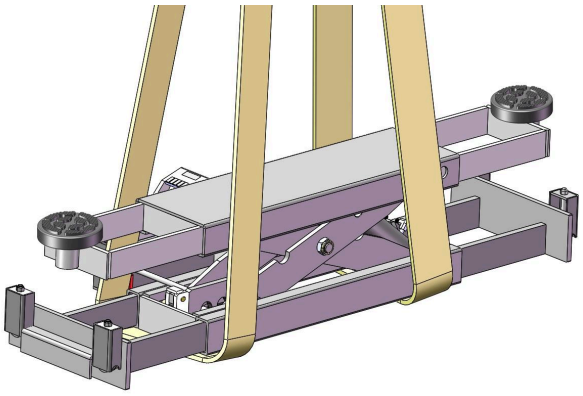
Inspect the shipment on arrival. Record missing items and visible damage on the delivery paperwork and notify Quick Lift USA promptly. Use suitable lifting equipment; do not attempt to lift the assembly by hand.

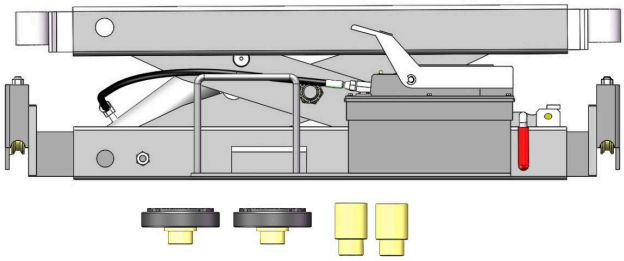
Store indoors in a dry location protected from rain, moisture, corrosive materials and flammable substances. Installation and maintenance must be completed by qualified personnel.

Fully lower the four-post lift and secure it according to its manual before installation. Check the runway guide rails for damage, cleanliness and correct support.

Confirm the supplied pads, adapters, rollers, hardware, hydraulic hose and pneumatic pump are present and undamaged. Do not modify the beam or rails to force a fit.

The mounting span adjusts from 33.86 to 52.83 in. Measure the installed guide rails and set the support rollers for full, secure rail engagement. Confirm fit before lifting a vehicle.





Rail installation & air connection

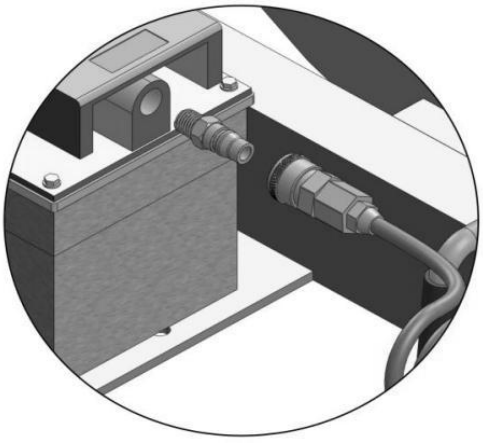
1. Adjust the support-base rollers to match the spacing of the compatible runway guide rails.

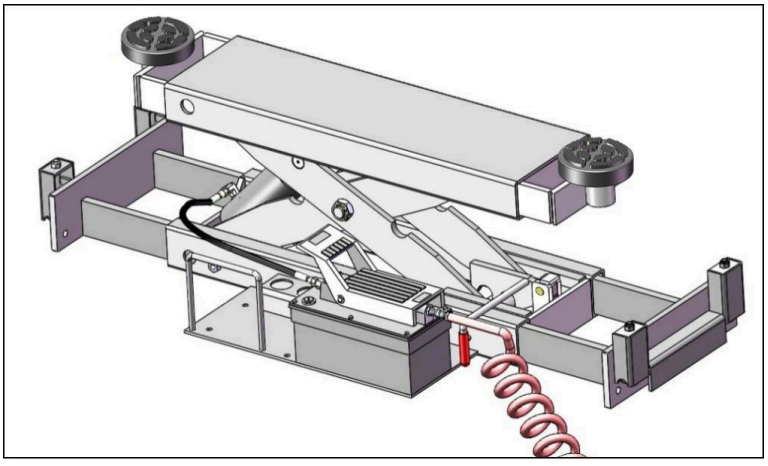
2. Use a hoist, forklift or other suitable lifting equipment to place the beam on the rails. Keep personnel clear of the suspended assembly.

3. Confirm every roller is seated and retained correctly. Roll the unloaded beam along the permitted travel to check clearance and smooth movement.

4. Connect a clean air supply greater than 116 PSI to the pneumatic pump inlet. Install an air filter / water separator upstream. Use air hoses and fittings rated for the connected supply and pump.

5. Inspect hydraulic hose routing and connections. Keep hoses clear of scissors, rollers, sharp edges and pinch points. Perform an unloaded functional test and verify the safety lock before use.





Pre-operation checks & pump controls

Before each use, confirm the four-post lift is securely resting on its mechanical locks. Inspect the beam, pads, adapters, hoses, rollers and safety mechanism. Verify clean air supply and filter / separator operation.

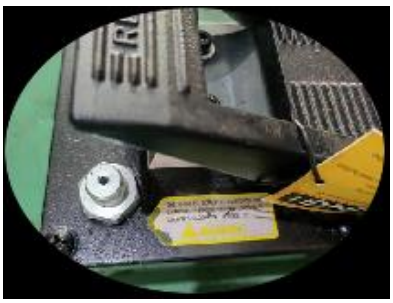
The pneumatic hydraulic pump is factory filled. Add oil only when required after checking for leakage and the correct oil level. Do not overfill.

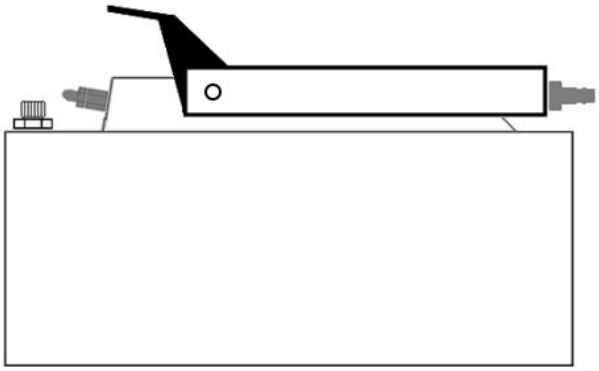
Before normal operation, loosen the pump vent / exhaust nut approximately one turn counterclockwise. Keep the reservoir upright and follow the pump's venting requirements.

Press **PUMP** to raise. Press **RELEASE** to lower after the load has been raised clear of the mechanical safety lock and the lock handle has been released.

Check that the pedal returns freely. If a pedal-retaining spring plate is fitted, follow the pump instructions for releasing or removing the retainer so it cannot hold the pedal in an operating position.

Before driving onto or off the lift, fully lower the beam and remove the rubber pads / adapters to prevent contact with the vehicle chassis.







Raising and supporting the vehicle

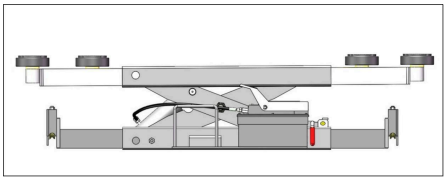
1. Position the unloaded beam beneath the intended lifting area. Adjust the arms and rubber pads to the vehicle manufacturer's approved lifting points. Use the supplied adapters only when needed and fully seated.

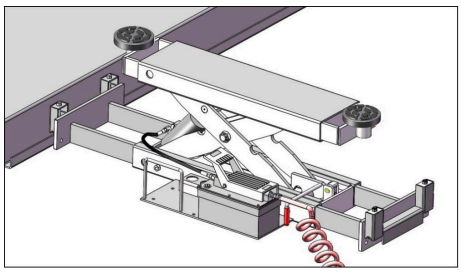
2. Confirm both pads contact stable, approved points and the load is centered. Keep hands and feet clear of the scissors and pads.

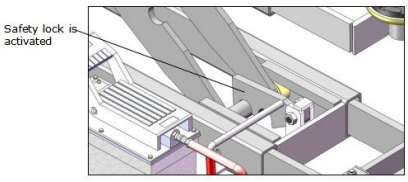
3. Press PUMP to raise slowly. Stop just after contact to check pad seating, support and vehicle stability. Do not continue if contact or balance is uncertain.

4. Continue to the required working height. Press RELEASE carefully to lower the beam onto the nearest mechanical safety-lock position.

5. Verify the safety lock is fully engaged and the load is securely supported before service. Never work under a load held by hydraulic pressure alone.







Lowering the jacking beam

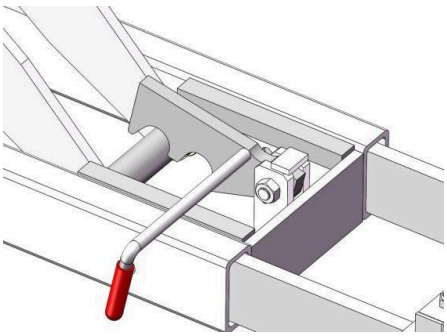
1. Clear tools, stands and personnel from the lowering area. Check that vehicle components and hoses cannot catch during descent.

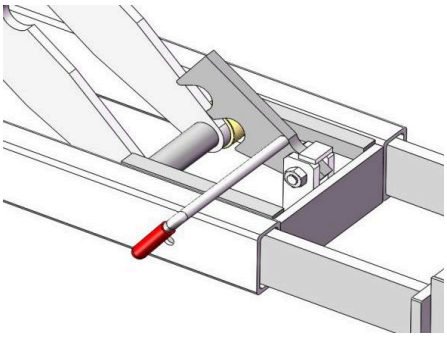
2. Press PUMP briefly to raise the beam enough to remove the load from the mechanical safety lock. Confirm the safety block is completely clear of its locking position.

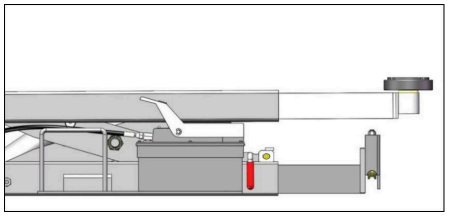
3. Hold the safety-block release handle in the released position and press RELEASE to lower the beam under control. Keep your body and hands clear of the scissors and all pinch points.

4. Stop lowering immediately if the vehicle shifts, a pad loses contact or the beam does not descend smoothly. Correct the condition safely before continuing.

5. After the beam is fully lowered, return the pump pedal to its neutral / horizontal position. Remove pads and adapters before driving the vehicle onto or off the lift.







Maintenance schedule

Daily	Inspect moving parts, rollers, pins, pads, adapters, hoses and safety locks. Replace damaged or excessively worn parts before use.
Weekly	Lubricate rollers and connecting pins with suitable light oil. Check hydraulic hose connections, bolts, pins and cylinder mounting hardware.
Monthly	Check pump hydraulic-oil level and inspect for leakage. Grease sliding friction surfaces as required.
Every 350 operating hours	Replace hydraulic oil; shorten the interval in dirty conditions. Use clean ISO VG 32 hydraulic oil.
After service	Reinstall all components and guards. Test unloaded, check leakage and verify lock operation before returning to service.

Keep the beam and pump clean. Prevent dirt from entering the hydraulic circuit. Clean spilled oil promptly.

Perform service with no supported vehicle load, the beam fully lowered, air disconnected and stored pressure safely relieved. Do not loosen hydraulic fittings while pressurized.

Oil changes and internal cleaning must be performed by qualified personnel. Drain contaminated oil, clean the reservoir and compatible components using an appropriate service procedure, dry thoroughly and refill with clean oil.

Collect used oil and cleaning fluids for proper recycling or disposal. Do not dump fluids on the ground or into drains.

Troubleshooting

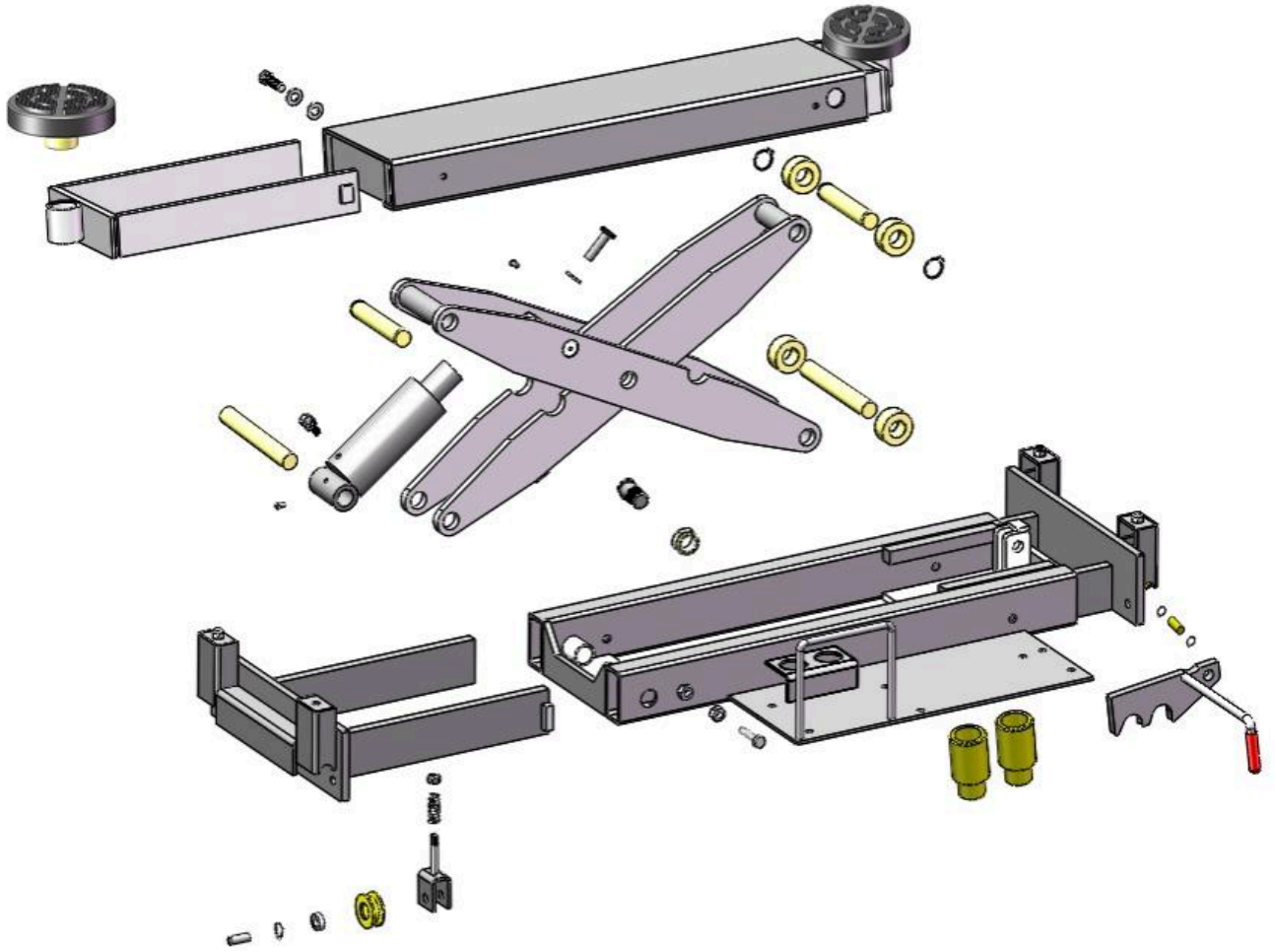
Raises / lowers slowly	Check air supply above 116 PSI, oil level, leakage, contaminated oil, hose restrictions and load. Correct the cause before further use.
Beam will not roll	Inspect roller location, guide rails, pins and support brackets. Clean obstructions and replace worn or damaged components.
Will not hold height	Inspect oil leakage, contaminated oil, cylinder seals and pump-release / pedal return. Remove from service; support loads on mechanical locks.
Will not lower	Raise enough to unload the safety lock, release the lock handle and operate RELEASE. Do not force a loaded safety mechanism.
Pedal does not return	Stop operation, disconnect air and inspect the pedal spring / retainer and release mechanism. Repair or replace defective parts.

Never troubleshoot beneath an unsupported vehicle. Lower and unload the beam or use an approved support procedure before repair.

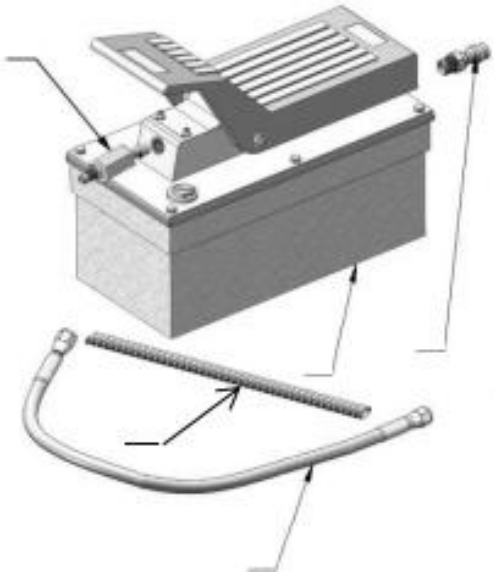
Do not repeatedly cycle equipment with an unresolved fault. Contact Quick Lift USA with the model, serial number and symptoms.

Exploded assembly view

Match numbered callouts to the parts lists. Order by factory part number and verify the installed component against the serial number.



Air-over-hydraulic pump assembly



Parts list - main assembly

Item	Part number	Description	Qty
1	1102074026C-01	Rubber pad assembly	2
2	11600039	Extendable arm frame	2
3	105134004	Hex bolt M8 × 16	2
4	11600038	Upper support	1
5	11600036	Upper roller pin	1
6	11600035	Upper roller	2
7	10206032	Retaining ring	2
8	11680011	Lower roller pin	2
9	11680009	Roller	2
10	11600001	Outer scissor	1
11	1105074006A-01	Lower sliding frame	1
12	11680083	Socket bolt M12 × 50	1
13	10420037	Retaining ring	—
14	11600043	Safety lock device	1
15	11209052B-02	2.5 in. extension adapter	2
17	1005014006	Hex bolt M10 × 35 with nut	2
18	11680023A-01	Base	1

Metric fastener and thread designations identify exact replacement hardware. Keep these designations when ordering; do not substitute inch-series hardware.

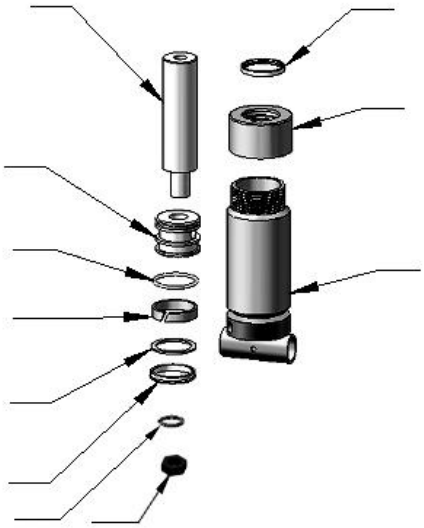
Parts list - base & pneumatic components

Item	Part number	Description	Qty
19	10209056	Nylon locknut M10	4
20	1005084001	Spring	4
21	1105074004A	Pulley seat	4
22	11680016	Pulley	4
23	10680031	Bearing	4
24	10680010	Limit ring	4
25	1105074005	Pulley pin	4
26	10620064	Grease fitting	2
27	10420097	90° cylinder fitting	1
28	C804501	Hydraulic cylinder	1
29	1005134008	Hex bolt M12 × 70	1
30	11600001	Inner scissor	1
31	11680032-01	Connecting pin	2
32	10620022	Nylon locknut M24	2
33	10420119	Straight fitting	1
34	1004334013	Air inlet fitting	1
35	C803001	Pneumatic hydraulic pump	1
36	1005064001-01	Protective flexible tube	1
37	10680084-01	Oil hose assembly, 20.5 in.	1

Metric fastener and thread designations identify exact replacement hardware. Keep these designations when ordering; do not substitute inch-series hardware.

Hydraulic cylinder - C804501

Previous cylinder code: 10680021. Match the cylinder assembly and seals to the installed unit before ordering.



Item	Part number	Description	Qty
28-1	10209078	Dust ring	1
28-2	11670006	Head cap	1
28-3	11670007	Cylinder body weldment	1
28-4	11670008	Piston rod	1
28-5	11670009	Piston	1
28-6	10201031	O-ring	1
28-7	10201029	Support ring	1
28-8	10201030	Y-ring OSI	1
28-9	10201030A	Support ring	1
28-10	10206069	O-ring	1
28-11	10206071	Hex nut M20 × 2	1

Four-post lift safety & disposal

Inspect the four-post lift and jacking beam daily. Do not operate equipment with damaged or missing parts. Use matching replacement parts and restore every safety device before service.

Respect both the lift rating and the 6,000 lb beam rating. Only trained operators may position the vehicle or operate either device. Keep occupants and bystanders out of the vehicle and work area.

Keep the floor and runway areas clear of tools, oil, grease and debris. Drive onto the lift carefully and check beam / chassis clearance with the beam fully lowered and pads removed.

Before working beneath a vehicle, verify that both the four-post lift and raised beam are resting securely on their mechanical locks.

Removing or installing vehicle components can shift the center of gravity. Follow the vehicle manufacturer's service procedure and provide approved additional support when required.

Before lowering, remove tools, trays and other obstructions. Confirm that people and equipment are clear.

At the end of service life, remove the equipment from use, drain fluids into suitable containers and arrange lawful recycling or disposal. Have qualified personnel dismantle pressure-containing and load-bearing assemblies.

Warranty, service & equipment record

Model	QL6KRBG
Serial number	_____
Manufacture date	_____
Purchase / installation date	_____
Service date / operating hours	_____
Service performed	_____ _____
Parts / oil used	_____
Technician	_____

The QL6KRBG carries a **2-year manufacturer warranty**. Refer to the written warranty supplied with the sale for coverage, exclusions and claim requirements. Keep proof of purchase and maintenance records.

Inspect and maintain the equipment as instructed. Contact Quick Lift USA before arranging a warranty repair. Provide the model, serial number, purchase date, symptoms and photographs.