Installation and Owner Manual

QL9KBP

9,000 lb two-post baseplate vehicle lift



Read this manual and all warning labels before installing, operating, or servicing the lift. Keep these instructions available to every operator.

Safety, Warranty, and Contact

Only trained, authorized operators may use this lift. Read the entire manual and all warning labels before installing, operating, or servicing it. Failure to follow these instructions can cause serious injury or death.

Use the lift only for vehicles within its 9,000 lb rated capacity and compatible with its arm reach, pad height, and manufacturer-recommended lifting points. Verify that all four pads contact the vehicle correctly and that every arm restraint engages.

Raise the vehicle slightly and verify stability before continuing. Lower the vehicle onto the mechanical safety locks before performing service. Never work under a vehicle supported only by hydraulic pressure.

Inspect the lift before use. Stop operation if you find damaged components, loose anchors, hydraulic leaks, uneven lifting, or a safety device that does not work correctly. Disconnect and secure the power supply before maintenance or repair.

Warranty: Quick Lift USA automatically provides a two-year warranty on all non-wearable parts. Coverage begins at the time of purchase. No registration or paperwork is required to activate coverage.

For service and warranty assistance, contact Quick Lift USA at 602-828-0950 or www.quickliftusa.com. Our address is 3380 S. Power Rd. #105, Gilbert, AZ 85234.

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Operator Safety

Install and use the lift indoors only. Keep the work area clean, dry, and clear of obstacles, oil, grease, and debris. Operate only between 41°F and 104°F. Keep controls clean and dry, and wear suitable clothing and non-slip protective footwear.

Keep hands, feet, and other body parts clear of moving components. No one may remain inside the vehicle while it is being lifted. Keep customers and other bystanders outside the lift area during operation.

Before driving in or out, fully lower the lift, retract the arms, and swing the arms and pads clear of the vehicle path. Never strike or drive over an arm or lifting pad.

Keep all safety devices and warning labels in place. Do not operate a lift with missing or damaged parts. Do not modify the lift. Repairs must be performed by qualified, authorized technicians using the correct replacement parts.

Ground the lift correctly. The equipment grounding conductor must connect to the designated ground connection. Disconnect and secure the electrical supply before opening electrical components or making repairs.

Do not operate near flammable gases or vapors. Electrical components can produce sparks. Stay alert during operation. If a vehicle becomes unstable or appears likely to fall, keep everyone clear of the lift.

Vehicle Stability and Warning Labels

Position the pads only at lifting points specified by the vehicle manufacturer. Use the supplied adapters or compatible saddle adapters when needed to make secure contact. Keep the vehicle centered between the columns.

Removing or installing heavy vehicle components can shift the center of gravity and make a raised vehicle unstable. Follow the vehicle manufacturer's service procedures and support requirements for the work being performed.

Before working beneath a raised vehicle, verify that both carriages rest securely on their mechanical safety locks. Before lowering, remove tool trays, stands, equipment, and other obstructions, then raise the lift slightly to unload and release the locks.

DANGER identifies a risk of death or serious injury. WARNING identifies unsafe practices that can cause death or serious injury. CAUTION identifies risks of injury or equipment damage. ATTENTION identifies conditions that can damage equipment or property.

Keep the operating instructions and safety reminders available to every operator. Inspect the lift daily and correct faults before returning it to service.

When receiving the lift, record missing items or shipping damage on the delivery paperwork. Refuse a damaged shipment when appropriate and contact Quick Lift USA for assistance.

Product Overview

The QL9KBP is a 9,000 lb baseplate two-post lift designed for garages with lower ceilings. Its floor-level crossover eliminates the need for an overhead beam. Confirm clearance for both the lift and the raised vehicle before installation.

Dual hydraulic cylinders drive the carriages through chains and pulleys. Equalizer cables help both carriages travel together. Self-lubricating UHMW polyethylene sliders and bronze bushings support smooth movement.

Four symmetrical, three-stage arms reach the recommended lifting points on compatible cars, trucks, and SUVs. Included adjustable screw pads and 3 in. extension adapters accommodate different lifting-point heights. Automatic arm restraints secure the arms during lifting.

A single-point release operates both column safety locks. The floor cover protects the crossover components between the columns. The power unit operates on 110V, single-phase power and comes prewired with a grounded three-prong plug.



Technical Specifications

Lifting height varies with rubber-pad adjustment. Maximum safety-lock height is the highest locked working position, rather than the maximum hydraulic lifting height.

SPECIFICATION	VALUE
Model / capacity	QL9KBP / 9,000 lb
Lifting time	49 seconds
Overall height	111-7/8 in.
Overall width	136-1/4 in.
Drive-through clearance	100-13/16 in.
Width between columns	112-3/16 in.
Minimum pad height	3-9/16 in.
Gross weight	1,581 lb
Motor / electrical supply	110V, single-phase
Power connection	Prewired, grounded three-prong plug

Pad and Extension Height Ranges

Adjust the pads to achieve secure contact at all four manufacturer-recommended lifting points. Use only the approved extension arrangement.

CONFIGURATION	HEIGHT RANGE
Maximum lift, without extensions	76-3/8 to 78-1/4 in.
Maximum lift, with extensions	79-3/8 to 81-1/4 in.
Maximum safety lock, without extensions	74-13/16 to 76-11/16 in.
Maximum safety lock, with extensions	77-13/16 to 79-11/16 in.
Supplied extension adapters	3 in.

Arm Positioning

Lower both carriages fully, retract the arms, and swing them clear before driving between the columns. Center the vehicle and avoid striking the arms, pads, columns, or floor cover.

Extend and position all four arms at lifting points specified by the vehicle manufacturer. Adjust the rubber pads for simultaneous contact, using the supplied extensions when appropriate. Verify complete engagement of every arm restraint before lifting.

Raise the vehicle slightly, stop, and check stability and pad placement before continuing. Use only vehicles compatible with the lift capacity, arm reach, and lifting-point requirements.

Installation Tools

Prepare a rotary hammer drill with a 3/4 in. masonry bit, hammer, level, chalk line, screwdrivers, pliers, locking wrench, and a tape measure at least 24 ft 7-1/4 in. long.

Use a 12 in. adjustable wrench, a ratchet with a 28 mm socket, and wrenches sized 10, 13, 14, 15, 17, 19, 24, and 27 mm. Hex keys: 3 and 6 mm. An 8 mm hex key is used for arm-restraint adjustment.

The supplied hardware has metric threads; match the designated tools and fasteners exactly. Use a forklift or hoist rated for the load.

Site and Foundation Requirements

Install and use the lift indoors only. Store it in a dry, well-ventilated area away from flammable materials. Do not install it on asphalt or any surface other than concrete.

Concrete must be at least 4 in. thick, completely dry and cured, free of cracks, and rated at a minimum compressive strength of 3,000 psi. The factory foundation specification calls for concrete without reinforcing steel bars.

The installation floor must be flat and level. The maximum permitted difference in elevation across the installation area is 3/8 in. Unsuitable concrete or improper anchoring can allow the lift or vehicle to fall.

Overall lift height is 9 ft 3-7/8 in. Check ceiling height and all building supports, heaters, lights, wires, and other obstructions. Provide clearance for the entire raised vehicle.

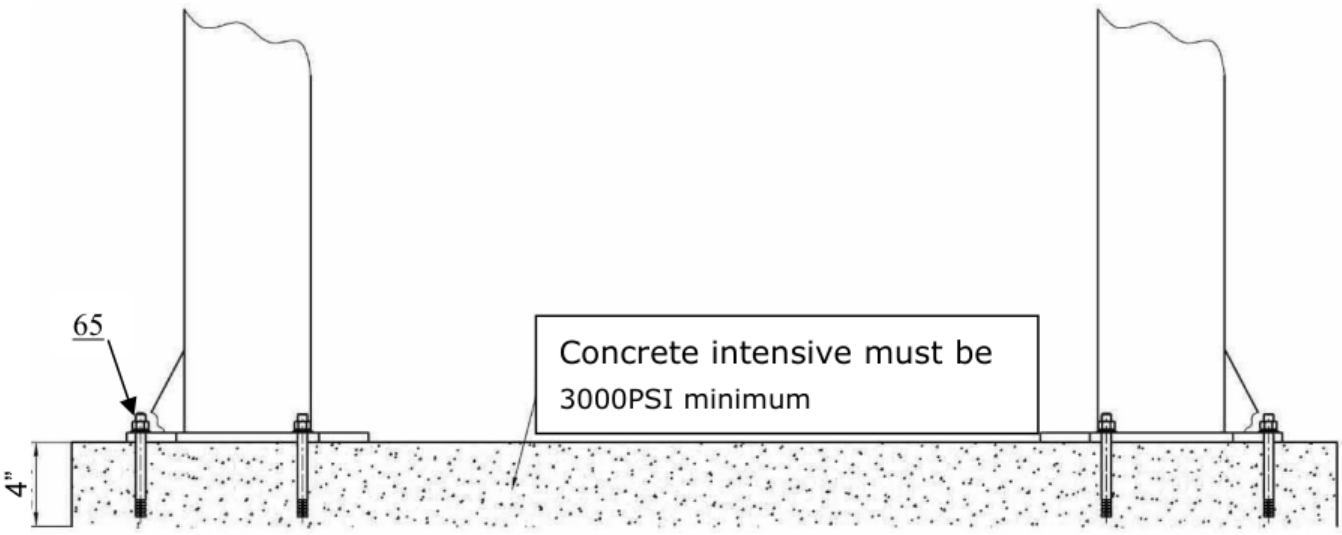


Fig. 6

Electrical Supply and Receiving

The power unit operates on 110V, single-phase power and comes prewired with a grounded three-prong plug. Connect it only to a properly grounded receptacle suitable for the power-unit ratings.

Have a qualified electrician verify the available supply and grounding. Do not remove the grounding pin or use an adapter that defeats grounding. Keep the lift unplugged throughout assembly and servicing.

Unload and move the lift with a suitable forklift or hoist. Protect the columns, power unit, hoses, cables, and loose parts. Compare all components with the shipment and parts lists and report missing items or shipping damage before assembly.

Step A-B: Installation Layout

Choose an indoor location with adequate space in front, behind, beside, and above the lift. Check the concrete and vehicle clearance before marking the layout.

Use a chalk line to mark the baseplate positions. Follow the layout dimensions in Figure 8 and verify the column spacing before drilling.

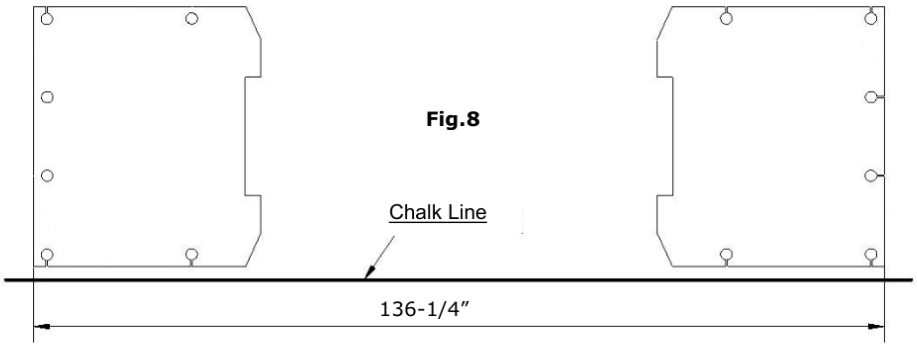


Fig.8

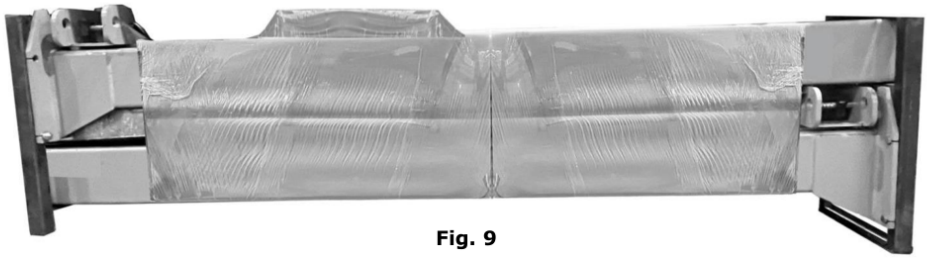


Fig. 9

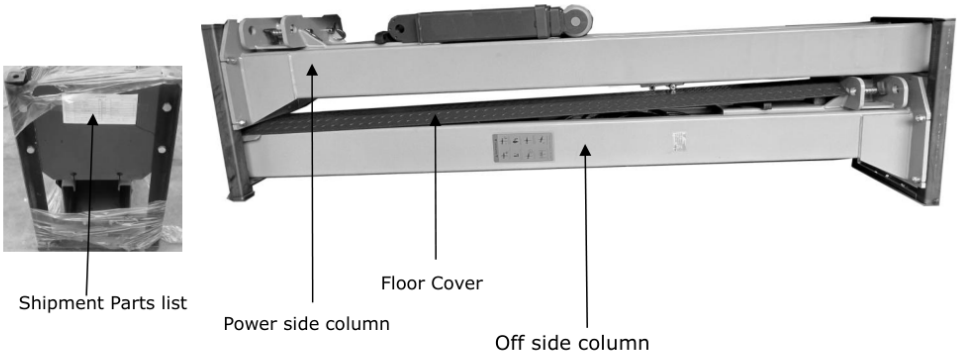


Fig. 10

Step C: Check Supplied Components

Carefully open the lift and power-unit packaging. Remove the loose parts from the upper and inner column areas, and remove the parts box.

Remove the shipping-frame bolts, separate the columns, and set aside the shipping frame. Compare each item and hardware bag with the supplied parts lists. Keep fasteners with their assigned components.

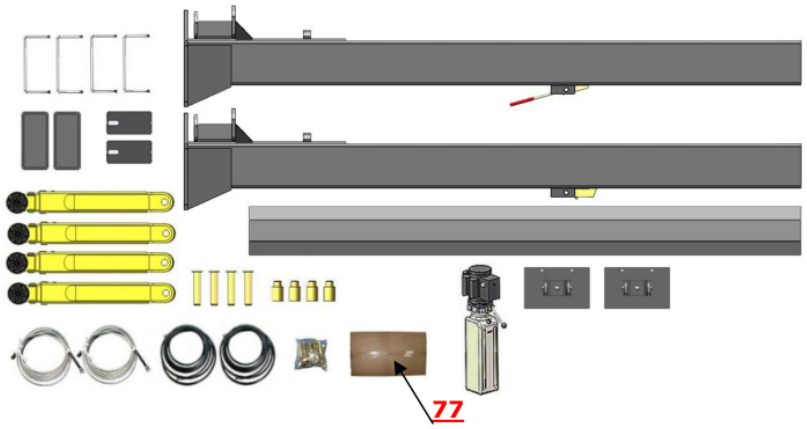


Fig. 11
Parts in the shipment parts list



Fig. 12
Parts in the parts box (77)

list (See Fig. 13).

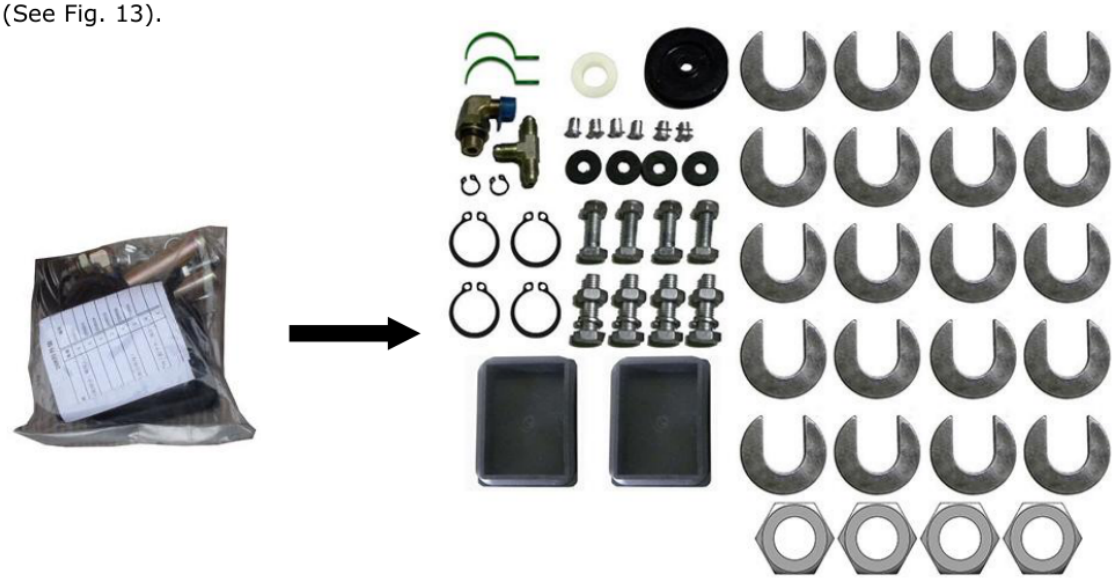


Fig. 13

Step D-E: Position the Columns

Lay the columns parallel at the installation site. Select the power-side column location to suit the site; the factory recommends the front-right side when viewed in the vehicle drive-in direction.

Install the column top plates with the specified bolts, nuts, and lock washers. Stand the columns in position with their openings facing each other. Check each column for plumb from the front and side and install shims as needed.

Confirm the 136-1/4 in. overall width and 112-3/16 in. width between columns. Recheck the layout and plumb before anchoring.

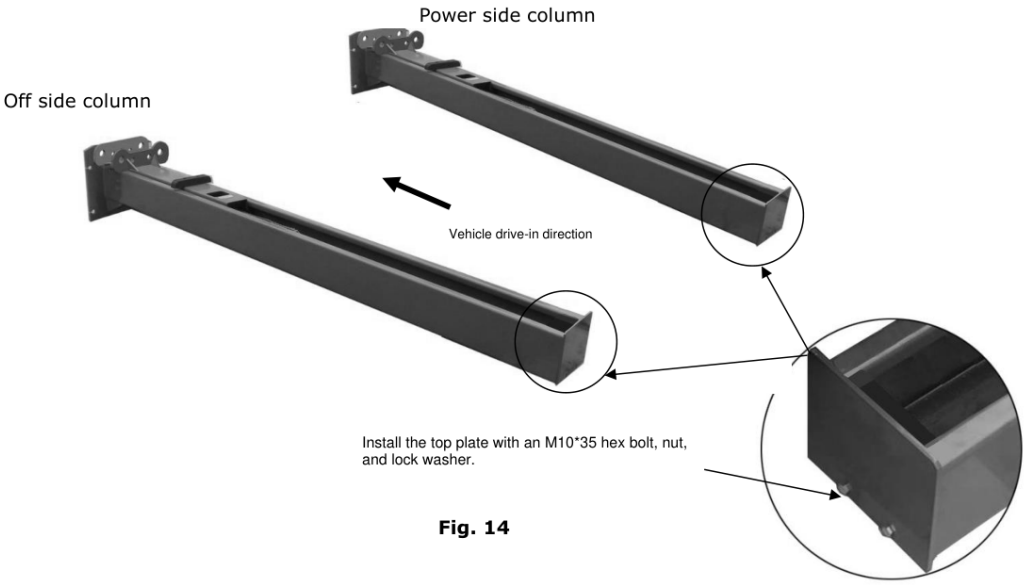


Fig. 14

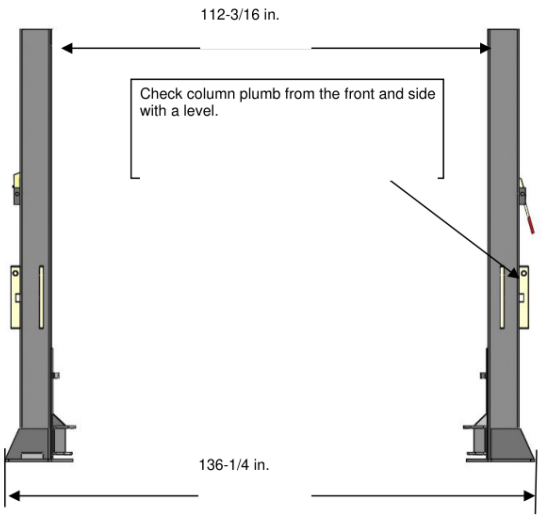


Fig. 15

Step F: Install the Column Anchors

Prepare the supplied anchor bolts, nuts, washers, and lock washers. Drill the holes with the specified masonry bit, clean them thoroughly, and install the anchors in the illustrated sequence.

Provide at least 3-17/32 in. of anchor embedment. Tighten the anchors to 111 ft-lb. If any anchor cannot hold the specified torque, stop and correct the anchor or foundation before continuing.

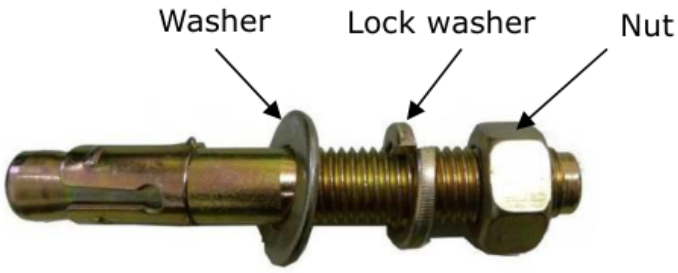


Fig.16



Fig.17

Step G: Raise and Lock the Carriages

Raise both carriages and engage their mechanical safety locks at the same height. Verify that both carriages are securely supported before routing the cables.

Keep hands and feet clear of moving components. Use suitable lifting equipment and follow the component positions in Figure 18.

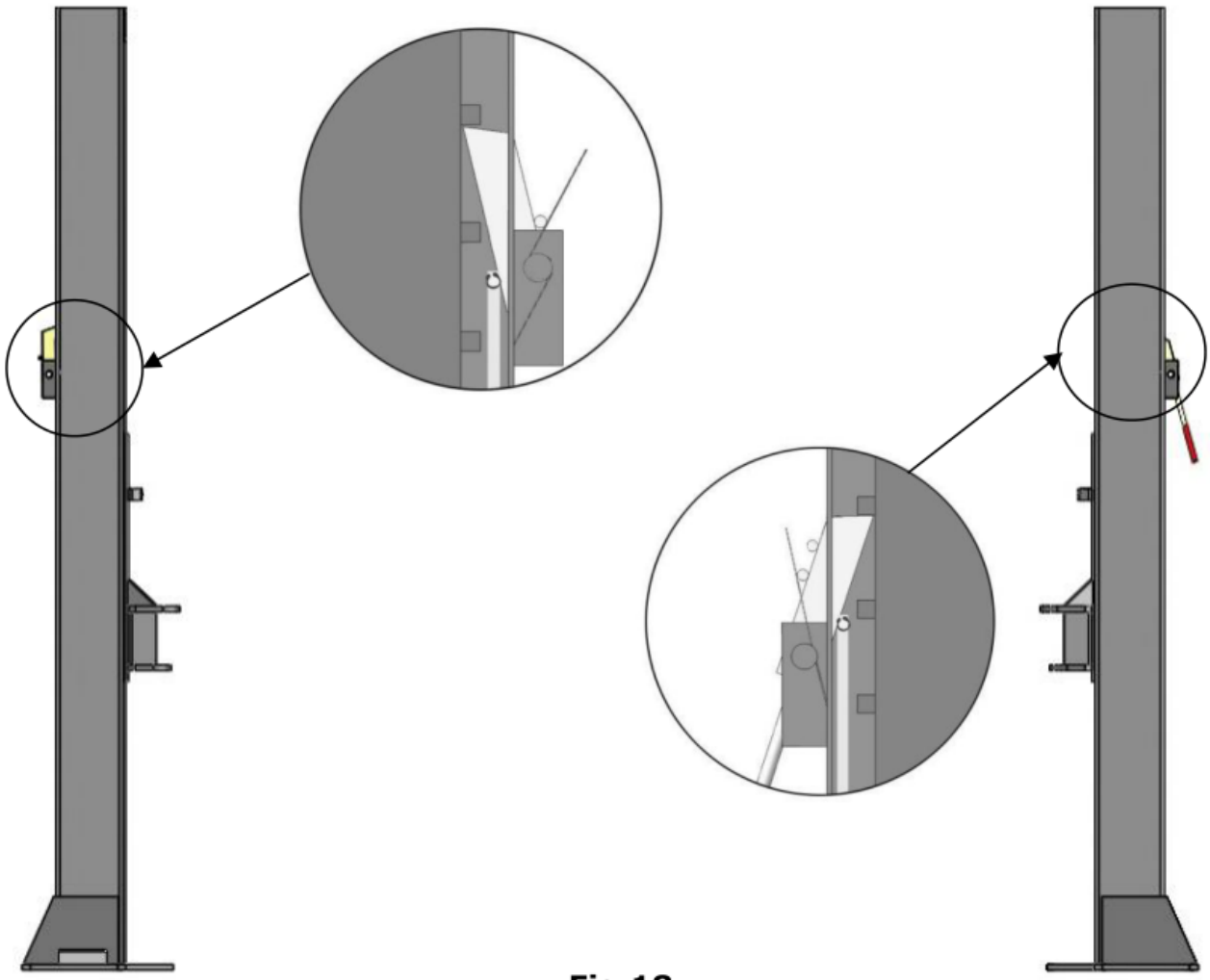


Fig.18

Step H: Connect the Equalizer Cables

Follow steps a through f in Figure 19. Feed the cable through the carriage, raise the carriage above the chain pulley as shown, and pass the cable through the top and bottom-plate openings.

Route the cable around the small pulley, across to the small pulley in the other column, and upward over the large pulley. Pass the fitting through the carriage bottom plate and install the nuts.

Keep every cable seated in the pulley grooves and clear of moving components.

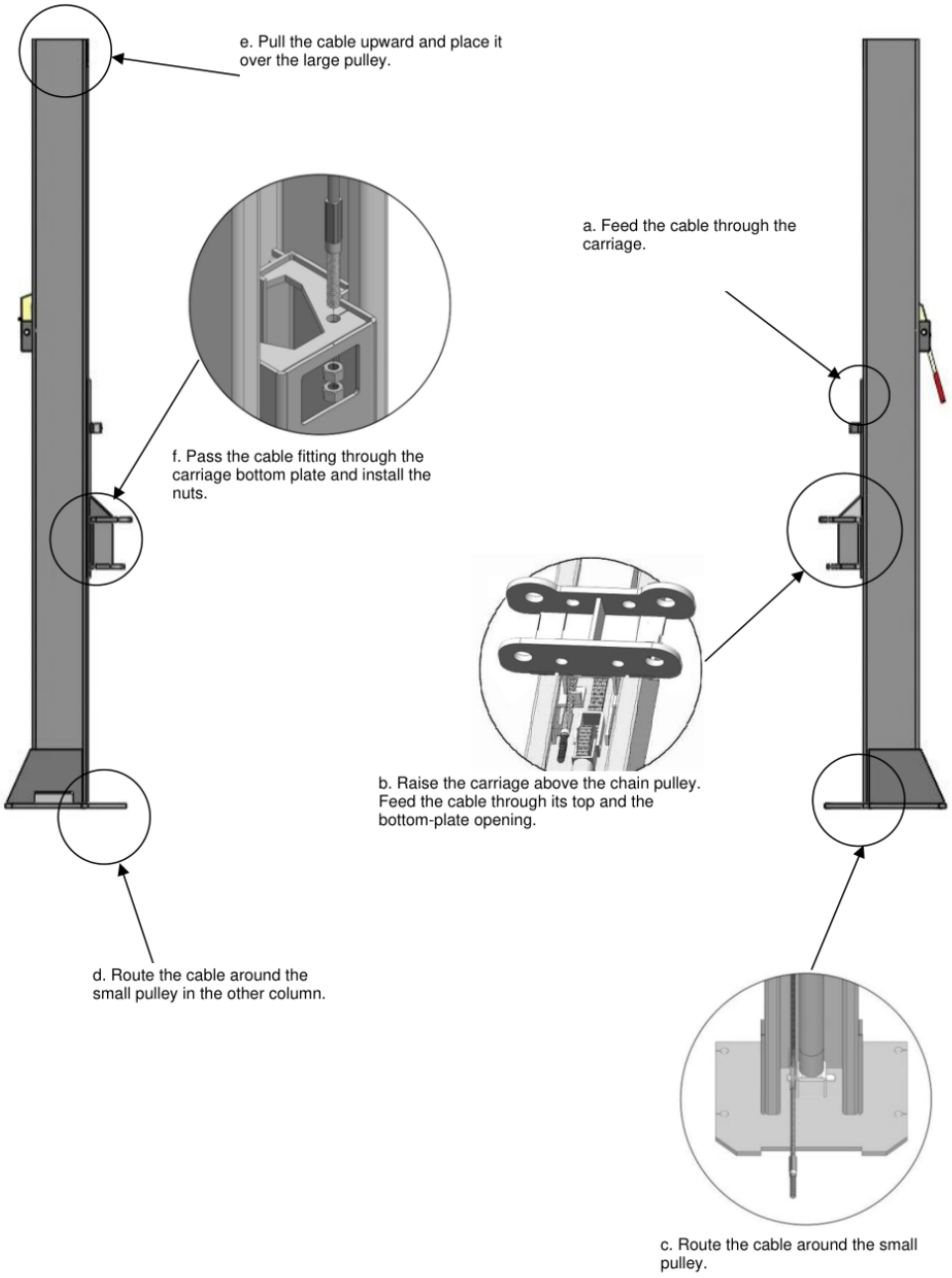


Fig.19

Step H: Complete Cable Routing

Complete the equalizer-cable assembly exactly as shown in Figure 20. Pass each fitting through its carriage opening and secure it with the two specified cable nuts.

Check for twists, incorrect crossings, trapped cables, or rubbing. Final cable tension is adjusted during startup.

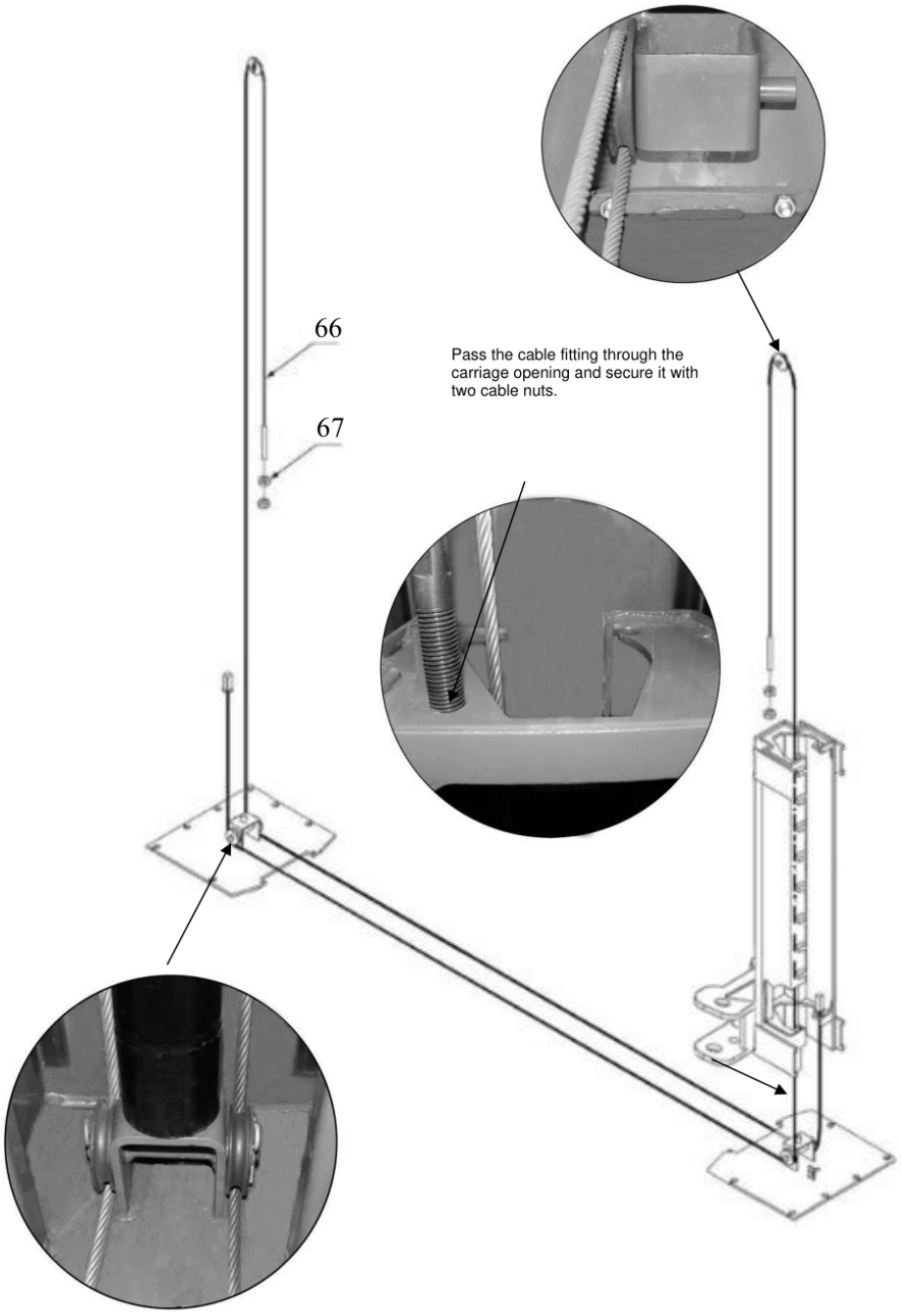
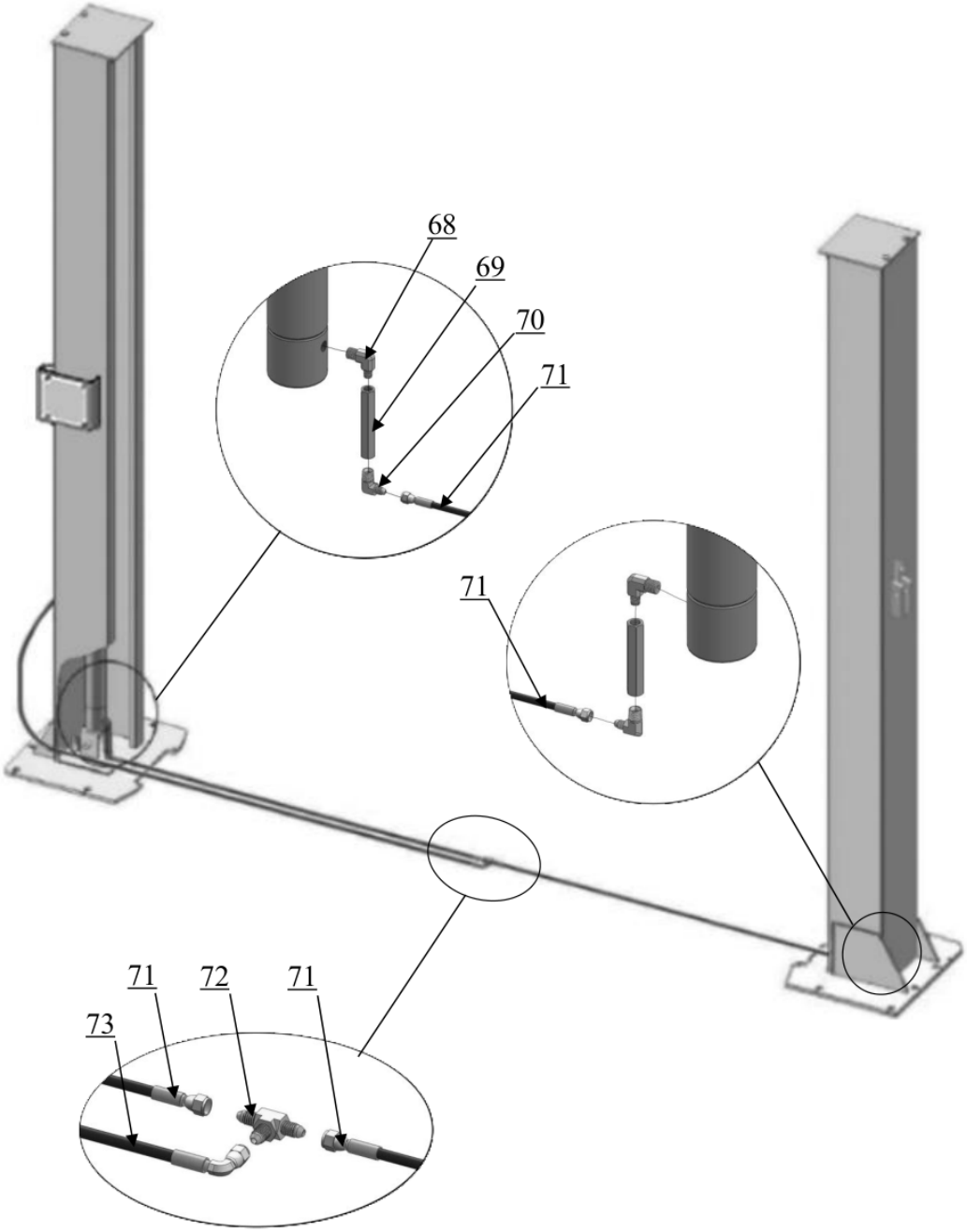


Fig.20

Step I: Install the Hydraulic Hoses

Assemble the hydraulic hoses and fittings at the illustrated connection points in Figure 21. Follow the designated routes through the columns and floor crossover.

Keep hydraulic ports, fittings, and hose interiors clean. Tighten connections and ensure that no hose can be pinched or contact moving components.



Step J: Install the Power Unit

Mount the power unit on the power-side column with the specified hardware. Install the fitting and connect the hoses as shown in Figure 22.

Tighten the fitting nut with a 19 mm wrench. Secure the hose with its retaining clamp and check all hydraulic connections for proper assembly.

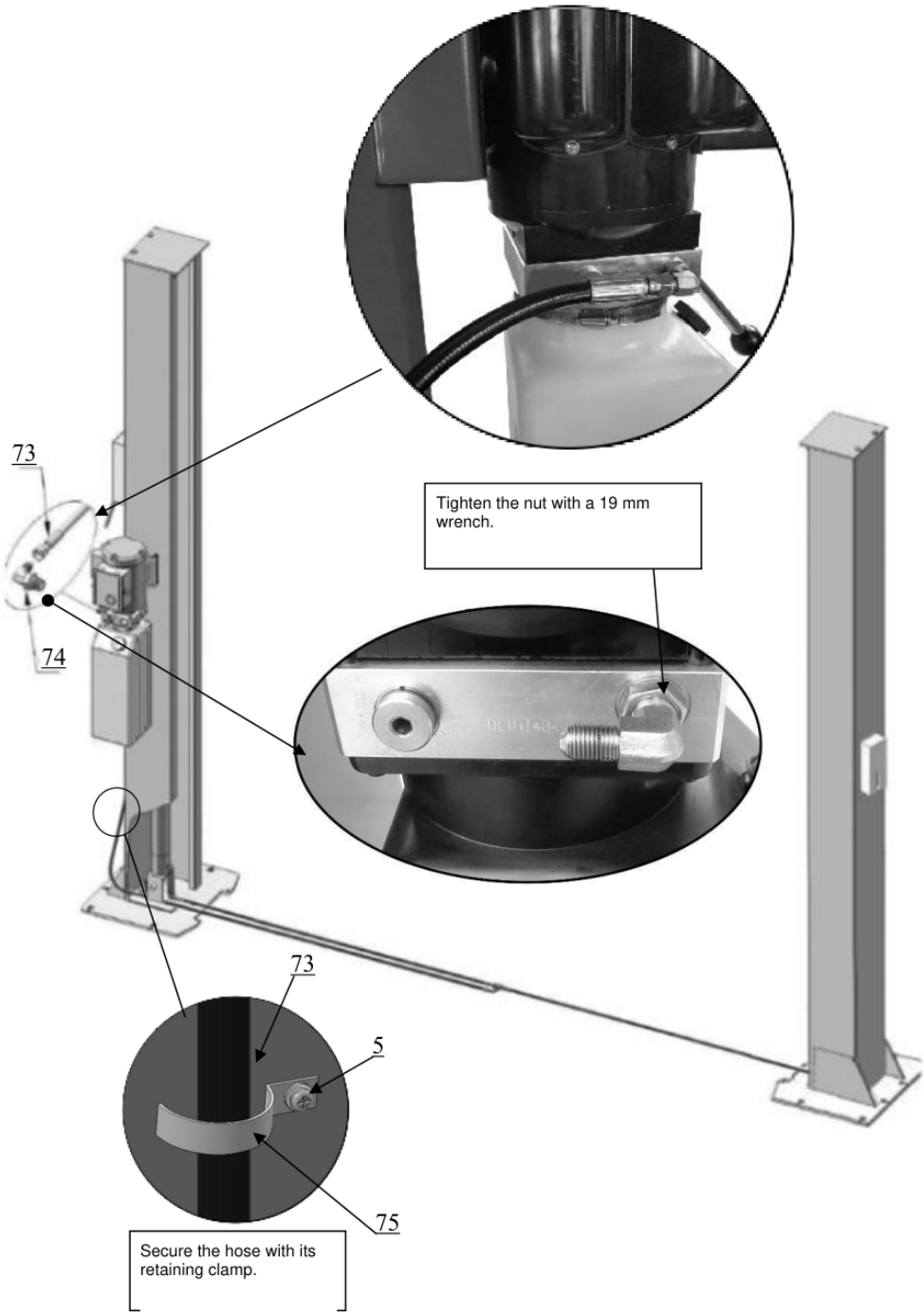


Fig.22

Step L: Install the Safety-Release Cable

Begin at the offside safety device and follow the cable route and connection direction shown in Figure 23. Use Views A and B to identify the connection at each column.

Keep the cable seated in its pulleys and clear of hydraulic hoses, wires, and moving components. Both safety devices must release together when the single-point release is operated.

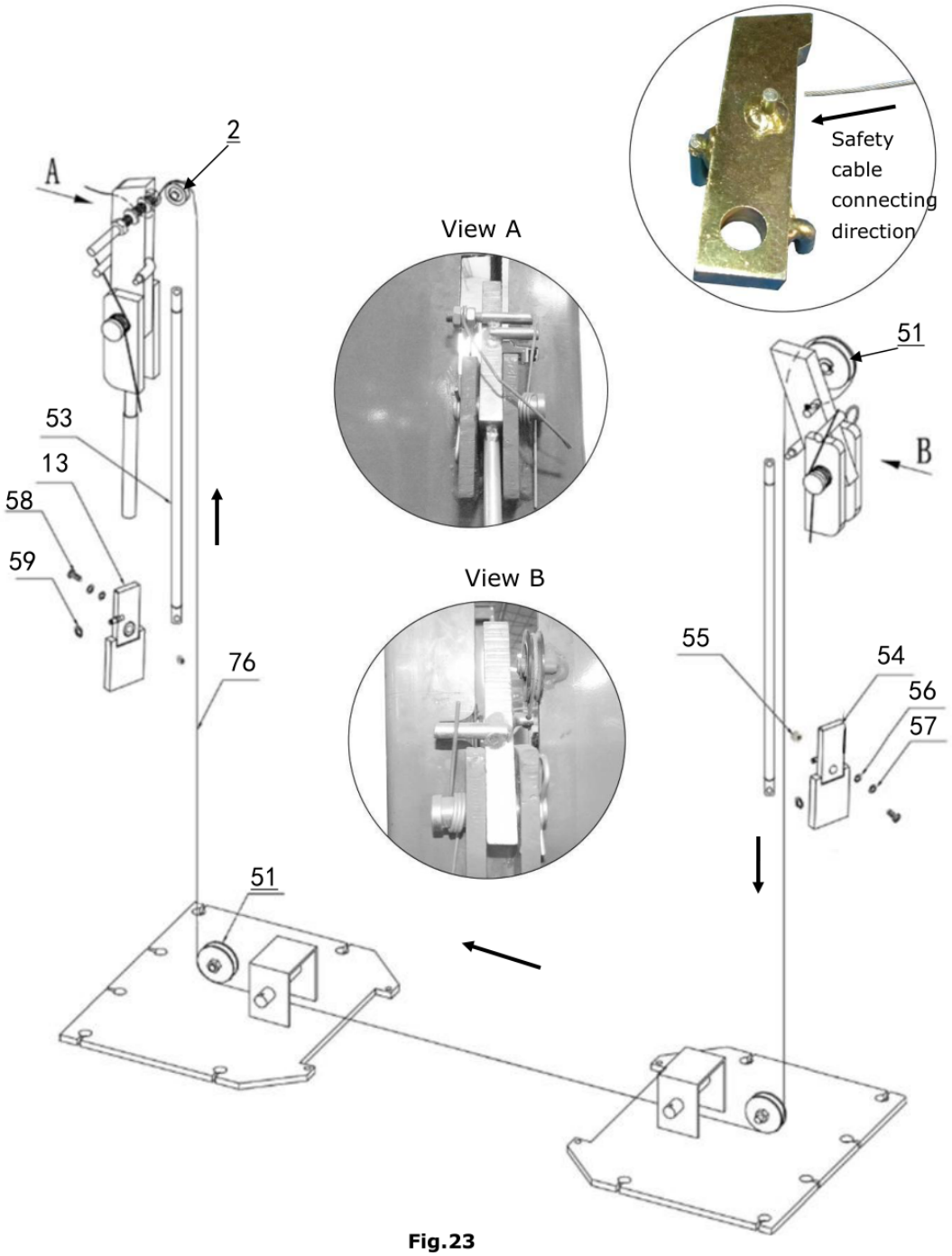


Fig.23

Step M: Install the Floor Cover

Check the crossover cable and hose routes before installing the floor cover. Make sure no component is trapped, twisted, or in contact with a moving part.

Position and secure the floor cover with the specified fasteners as shown in Figure 24. Confirm that the cover protects the crossover components and is firmly attached.

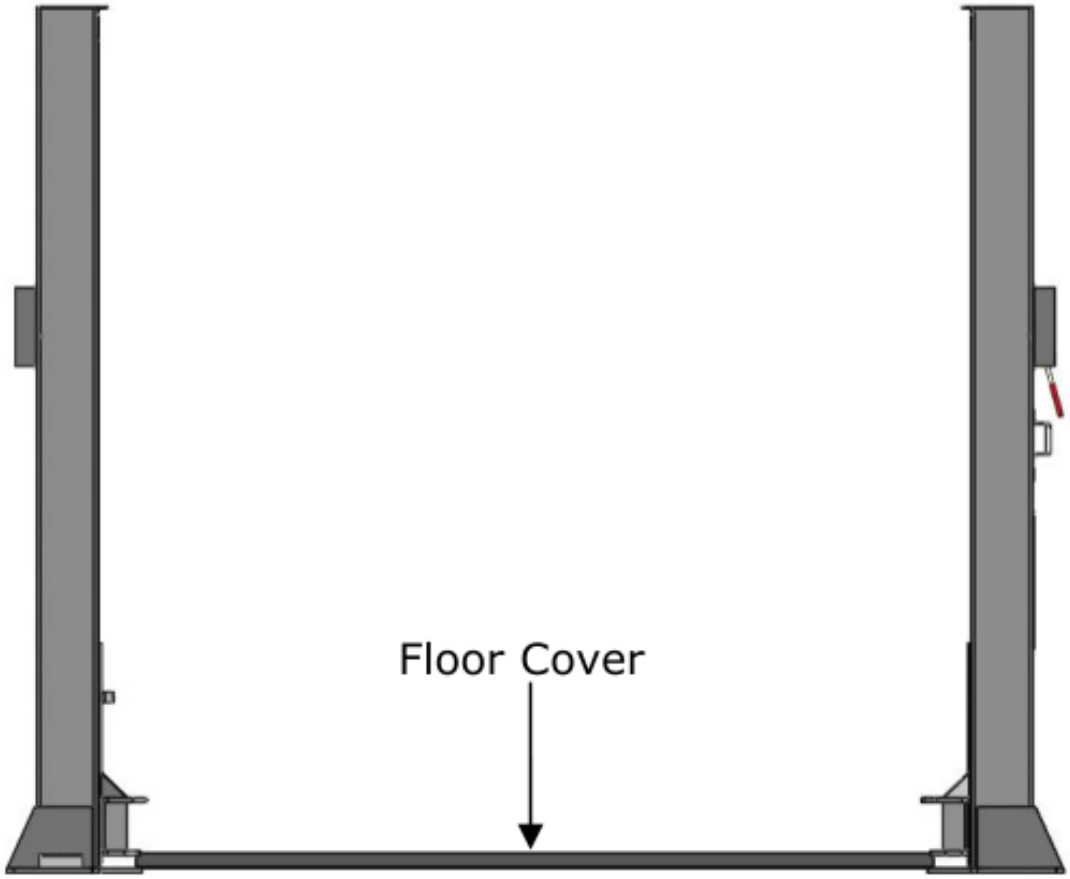


Fig.24

Step N: Install the Lifting Arms

Install each lifting arm in its designated carriage position using the specified arm pins and retaining hardware shown in Figure 25.

Check free movement, secure pins, and proper restraint operation. Lower both carriages fully before adjusting the arm-restraint gears.

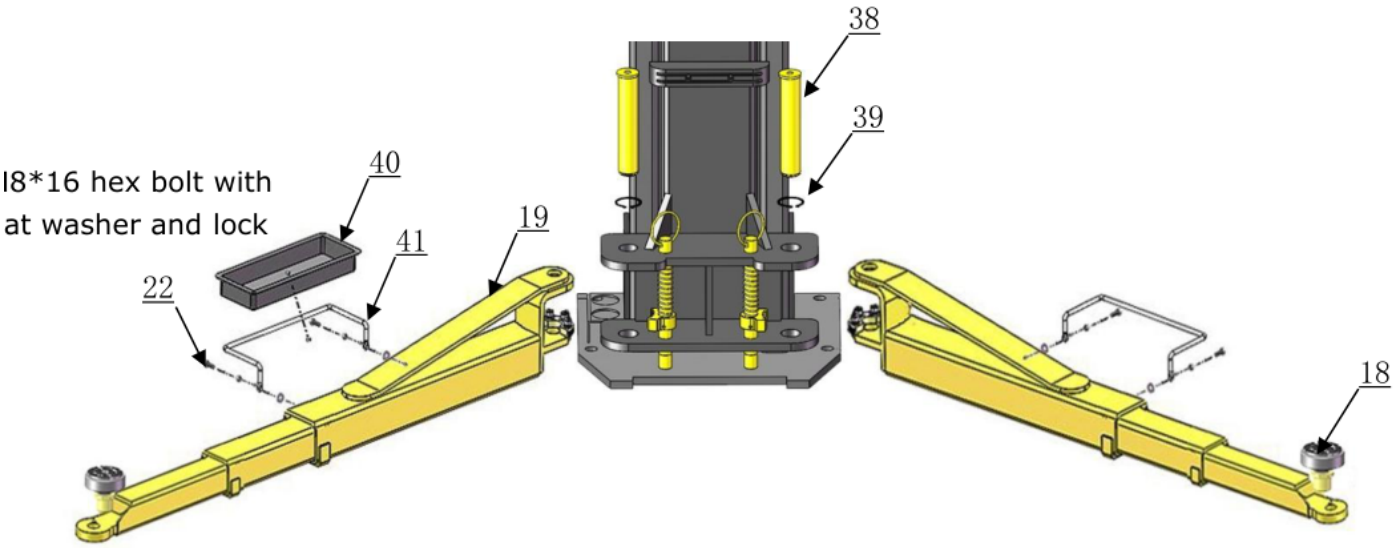
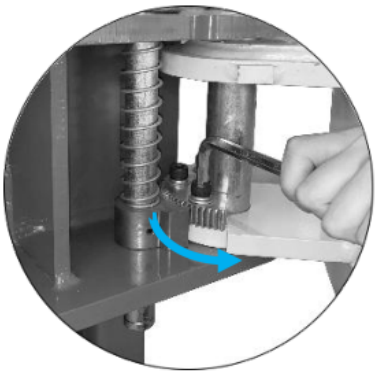


Fig.25

Step N: Adjust the Arm Restraints

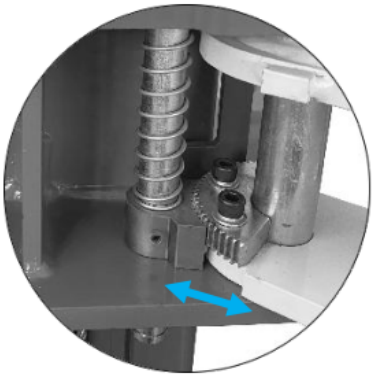
With the carriages fully lowered, use an 8 mm hex key to loosen the socket nut. Adjust the moon gear in the direction shown until the gear and arm lock fully engage, then tighten the nut.

Inspect all four restraints before every use. Never operate the lift unless every gear fully engages. Replace components with broken teeth or other damage using the correct authorized parts.



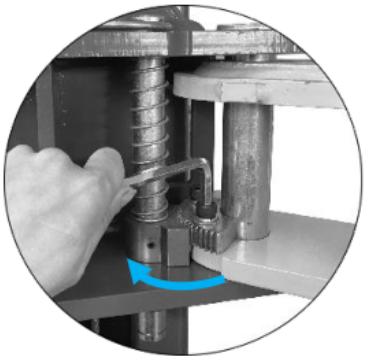
1. Loosen the socket nut with an 8 mm hex key.

Fig.26



2. Adjust the moon gear until it fully engages the arm lock.

Fig.27



3. Tighten the nut.

Fig.28

Step O-P: Oil Fill and Power Connection

Tighten all hydraulic fittings and fill the reservoir with clean ISO VG 46 anti-wear hydraulic oil. Keep dirt, water, and other contaminants out of the hydraulic system.

The installed power unit is prewired for 110V, single-phase operation with a grounded three-prong plug. After mechanical assembly and inspection, connect it to a suitable grounded receptacle.

Keep power disconnected before any electrical service. A qualified technician must perform electrical repairs. Verify controls, grounding, safety devices, and hydraulic connections before testing the lift.

Lift Assembly

IV. EXPLODED VIEW

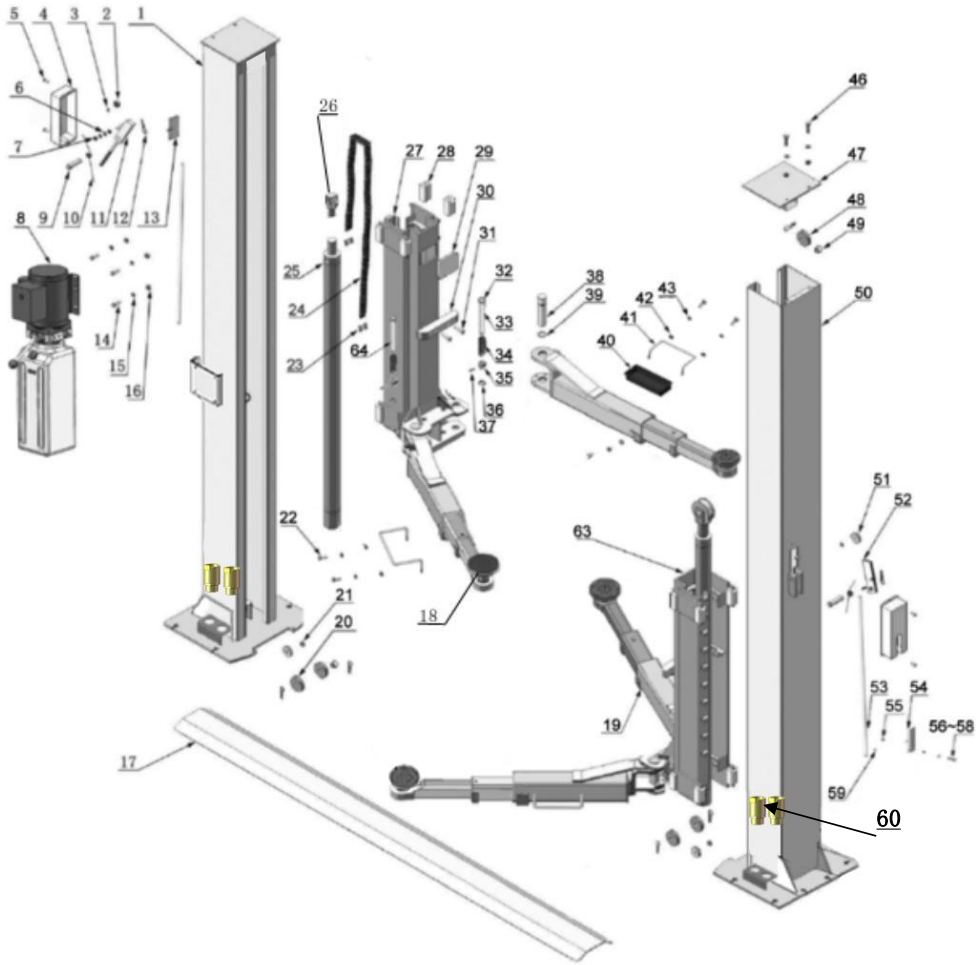


Fig.30

Lift Parts List: Items 1-47

PARTS LIST

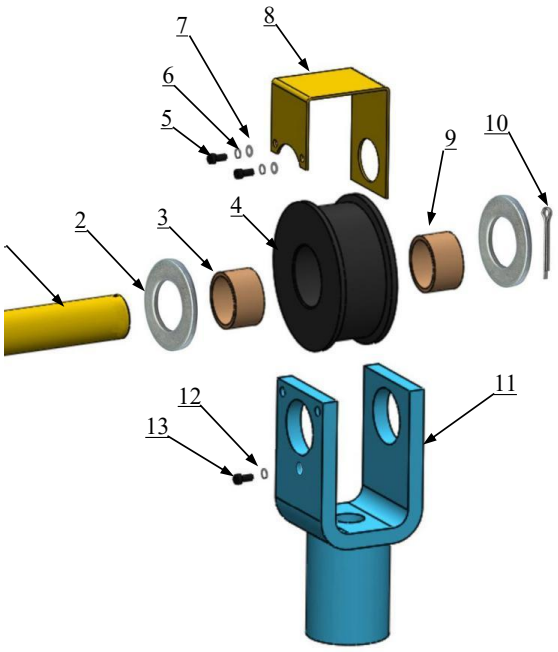
Item	Part No.	Description	Qty
1	11203257-03	Power side column	1
2	10209011	Safety device pulley (white)	1
3	10209010	Clip ring	2
4	10209008	Safety cover	2
5	10209009	Round head bolt M6*8	6
6	10206006	φ12 flat washer	2
7	10206023A	Hex nut M12	2
8		Power unit	1
9	1102011004A	Safety block pin	2
10	10209007	Spring	2
11	11203263	Power side safety device	1
12	10209012	Cotter pin	8
13	11203261	Power side safety block	1
14	1061K050	Hex bolt M8x30	4
15	10209004	Rubber ring	4
16	10209005	Nylok nut M8	8
17	11203003	Floor cover	1
18	1101043008-01	Rubber pad assy.	4
19	11203132-01	Lifting arm assy.	4
20	1102011001	Pulley	4
21	10209056	Nylok nut M10	2
22	10201002	Hex bolt M8*16	10
23	1102041002	Chain pin	4
24	1002045001	Chain	2
25	C804201	Cylinder	2
26	11203176	Chain pulley seat assy.	2
27	11203267-02	Power side carriage	1
28	10209015	Slider block	16
29	10209016	Carriage plastic cover	2
30	10206045	Protective rubber	4
31	10206046	Screw M4.5*50	4
32	10209153	Arm lock handle pull ring	4
33	11217046A-01	Arm lock handle (left)	2
34	10217045	Spring	4
35	10217044-01	Arm lock	4
36	10206032	Clip ring	4
37	10206036	Elastic pin	4
38	11217168-01	Arm pin	4
39	10520023	Clip ring	4
40	10206190	Tool tray	2
41	11206191	Toe guard	4
42	10209033	φ8 flat washer	12
43	10209034	φ8 lock washer	10
46	10209046	Hex bolt M10*35	4
46A	10209039	φ10 lock washer	4
46B	10209021	M10 hex nut	4
47	11203010-01	Top plate	2

Lift Parts List: Items 48-78

Item	Part No.	Description	Qty
48	1102012001	Pulley	2
49	1002011001	Bushing	6
50	11203258-03	Off side column	1
51	10209049	Plastic pulley (black)	3
52	11203264	Off side safety device	1
53	11203784	Coupling bar	2
54	11203262	Off side safety block	1
55	10420018	Nylok nut M6	2
56	10420045	Flat washer φ6	2
57	10209149	Lock washer φ6	2
58	10217013	Hex bolt M6*20	2
59	10420049	Cotter pin	4
60	1102214016A-01	3 " extension adapter	4
61	10203501B	Parts box	1
62	10201090	Shim (1mm)	10
	10620065	Shim (2mm)	10
63	11203268-02	Off side carriage	1
64	11217046-01	Arm lock handle (right)	2
65	10209059	Anchor bolts 3/4*5-1/2	12
66	10203020	Sync cable assy. L=323 13/16”	2
67	10209066	Hex nut M16	4
68	10207024	90^0 fitting 3/8NPT(M)*1/4NPT(M)	2
69	11201082	Straight fitting L=3 7/8”	2
70	10420097	90^0 fitting1/4NPT(M)*1/4JIC(M)	2
71	10203109	Oil hose assy. L=56 7/8”	2
72	10211016	T fitting	1
73	10201081-01	Oil hose assy L=117 5/16”	1
74	10209060	Power unit 90^0 fitting	1
75	11217048	Retainer	2
76	10203021	Lock release cable L=285 7/16”	1
77	10203501B	Parts box	1
78	10201090	Shim (1mm)	10
	10620065	Shim (2mm)	10

Pulley Seat and Pad Assemblies

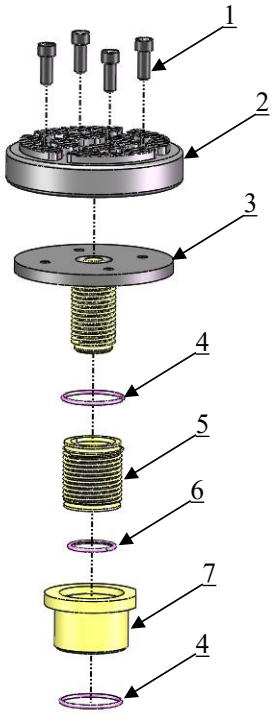
4.1 Chain pulley seat assy. exploded view (11203176):



Item	Part No.	Description	Qty.
1	1102015001A	Pin for chain pulley	2
2	10640109	Washer	4
3	10203004A	Bronze bush	2
4	1102023002	Chain Pulley	2
5	81400438	Socket bolt M5*10	4
6	10209143	Lock Washer Φ5	4
7	10420152	Flat Washer Φ5	4
8	11201152	Chain stop plate	2
9	10217020	Bronze bush	2
10	10201005	Split pin	2
11	11201143-01	Chain pulley seat	2
12	10209034	Lock Washer Φ8	2
13	1004544012	Hex bolt M8*16	2

Fig. 31

4.1 Rubber pad assy. exploded view (1101043008-01)



Item	Part No.	Description	Qty.
1	40100001	M8*12 socket screw	16
2	10203043-01	Double screw rubber pad	4
3	1101043003A-01	Support frame	4
4	10203042	Elastic ring	8
5	1101043006	Adjusting rod	4
6	10203041	Elastic ring	4
7	1101043004	Adjusting sleeve	4

Fig. 32

Arm and Cylinder Assemblies

4.3 Lifting arm assy. (11203132-01) exploded view

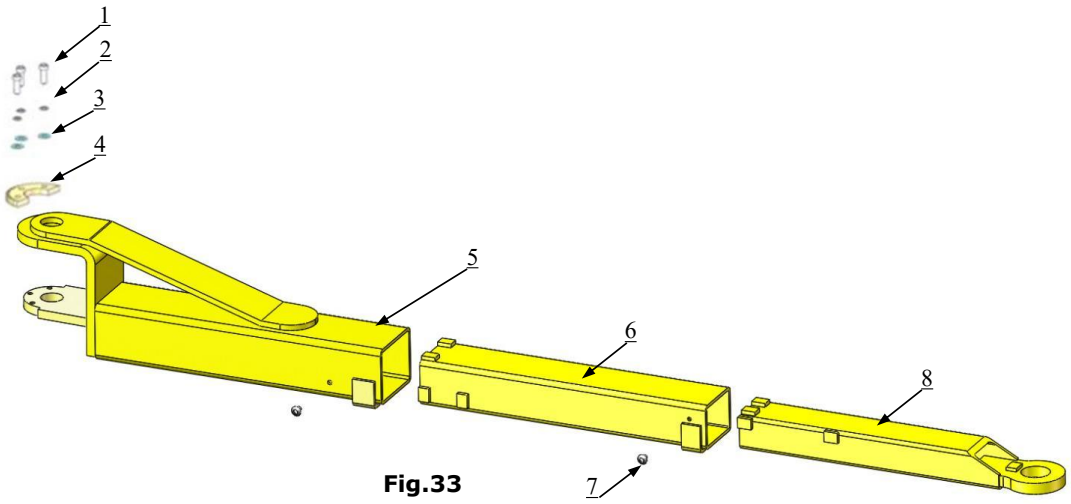


Fig.33

Item	Part No.	Description	Qty.
1	10206048	Socket bolt M10*30	12
2	10209039	Lock washer φ10	12
3	10209022	Flat washer φ10	12
4	11206049	Moon gear	4
5	11203146	Outer arm	4
6	11203147-01	Middle arm	4
7	10201149	Round head bolt M8*12	8
8	10203151-02	Inner arm	4

4.4 Exploded view of the oil Cylinder C804201（Old code 10201008）

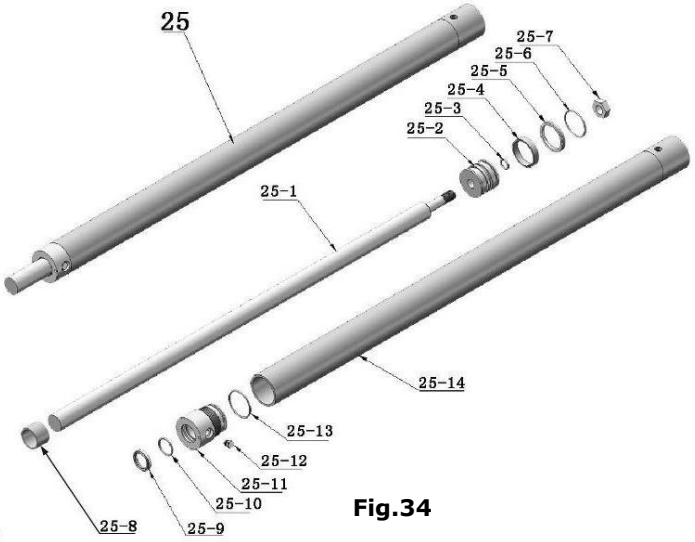


Fig.34

Cylinder Parts List

Item	Part No.	Description	Qty
25-1	11201027	Piston rod	2
25-2	11201028	Piston	2
25-3	10206069	O ring	2
25-4	10201029	Dust ring	2
25-5	10201030-01	Y ring USH	2
25-6	10201031	O ring	2
25-7	10206071	Hex nut	2
25-8	11201037	Piston rod sleeve	2
25-9	10209078	Dust ring	2
25-10	10201032	O ring	2
25-11	11201033	Head cap	2
25-12	10201034	Muffler	2
25-13	10201035	O ring	2
25-14	11201036	Bole weldment	2

Hydraulic Power-Unit Reference

Figure 35 identifies the oil return and output ports, release valve and handle, check valve, relief valve, and throttle valve. Use these original references when servicing the hydraulic system.

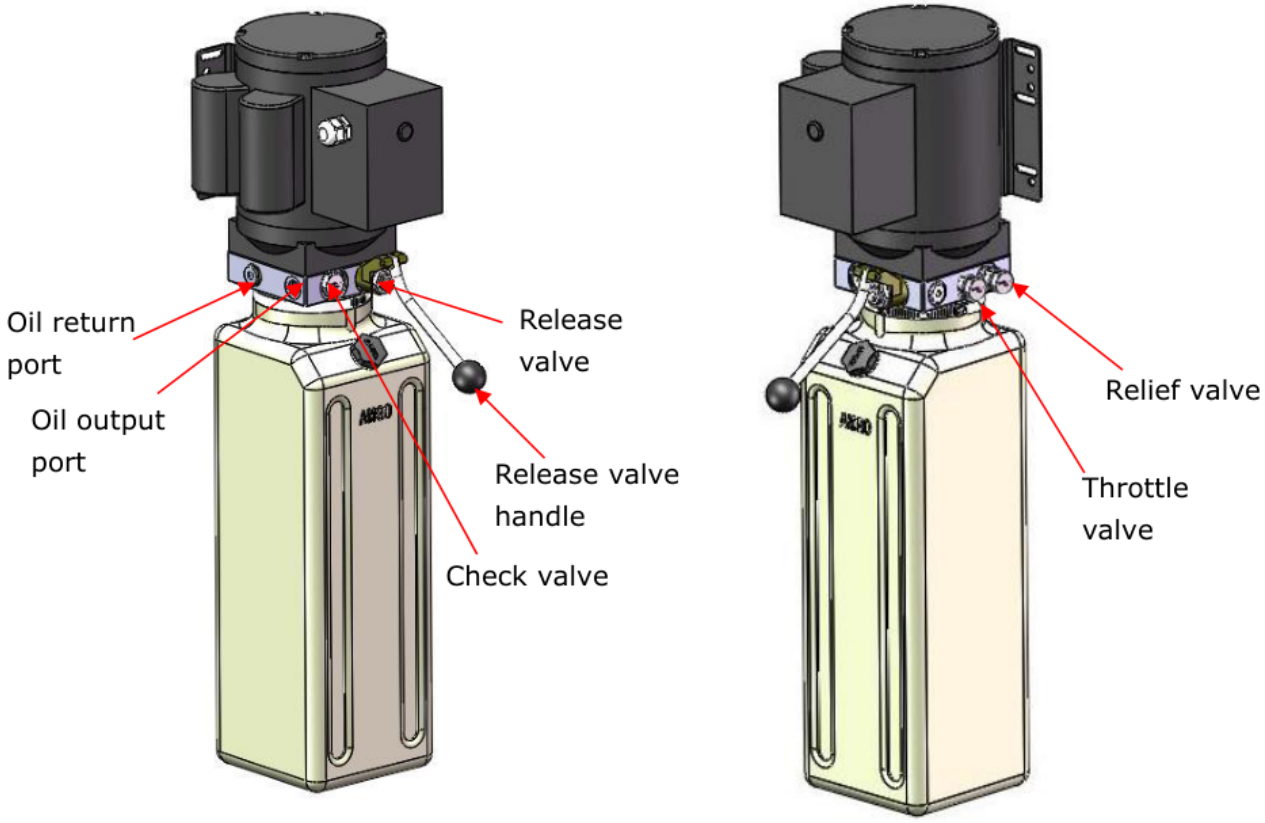


Fig.35

Cable Adjustment and First Test

Hold the equalizer-cable fitting with a wrench while tightening the nut until both cables have equal tension. If carriage travel is uneven, adjust the nut on the lower carriage until both sides move together.

Raise both carriages and engage their locks at the same height. Take up slack in the safety-release cable, release a small amount of tension, and tighten its nuts. Verify that both locks engage and release correctly, then install the covers.

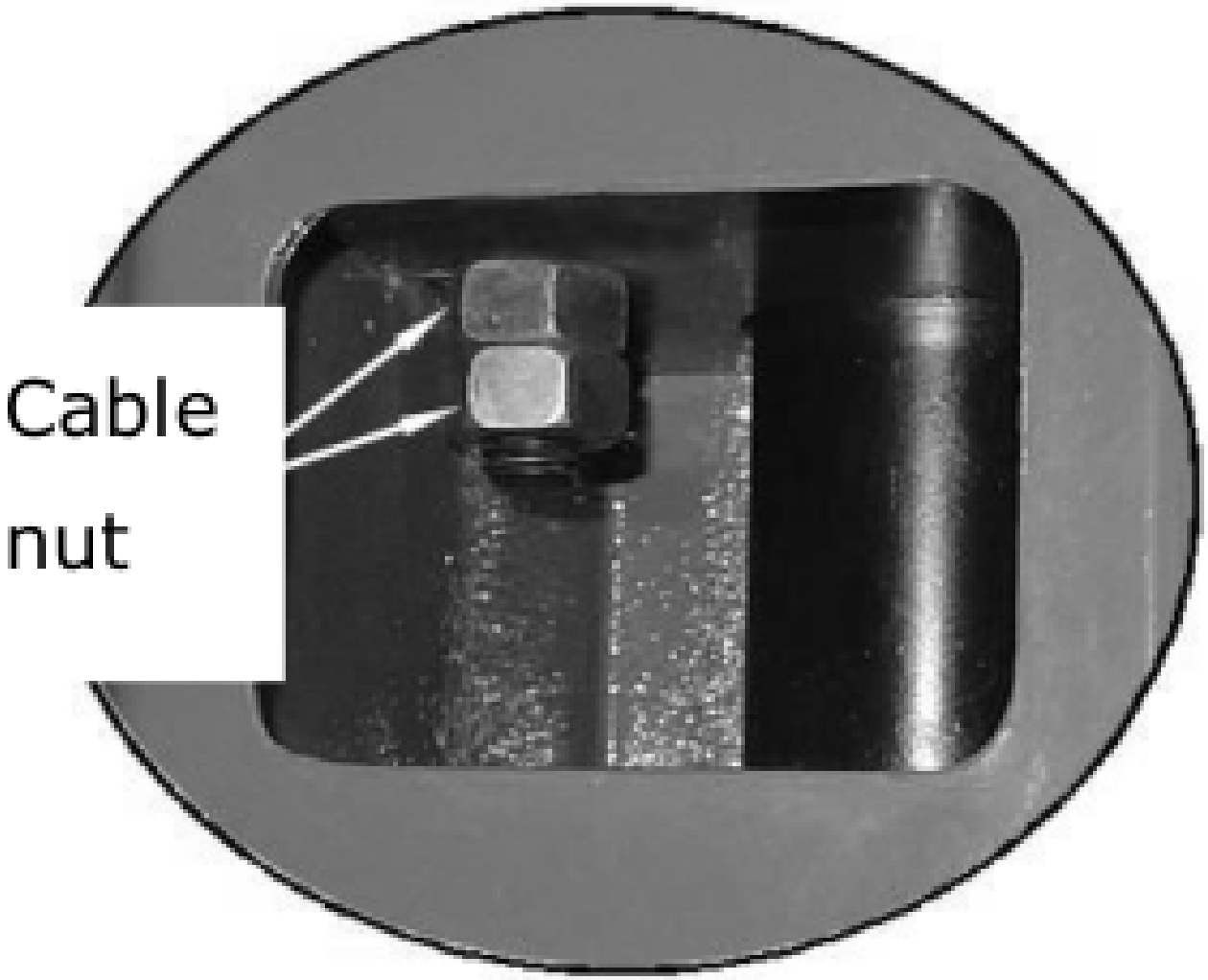


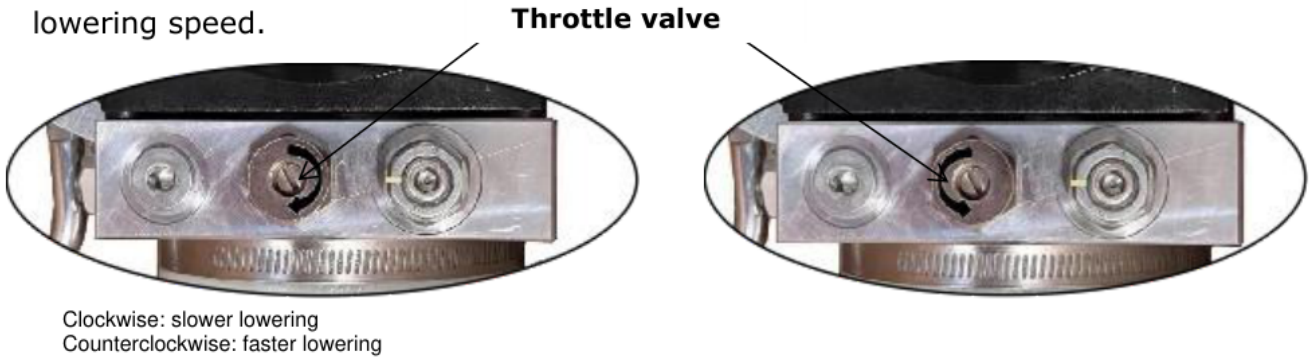
Fig. 36

Lowering Speed and Load Test

Turn the throttle valve clockwise to slow lowering or counterclockwise to increase lowering speed. Make small adjustments and check each change with controlled cycles.

Test with a load within the 9,000 lb capacity. Keep the first few cycles near the floor and verify synchronized carriage movement and safety-lock engagement and release.

When low-level operation is correct, perform a full-height test. Trapped air can cause initial vibration; repeated controlled cycles help purge the air. Stop and correct leaks, uneven motion, or safety faults before using the lift.



Hydraulic Circuit

Figure 38 shows the hydraulic circuit. Component key: 1. Filter; 2. Gear pump; 3. Motor; 4. Relief valve; 5. Release valve; 6. Check valve; 7. Throttle valve; 8. Cylinder.

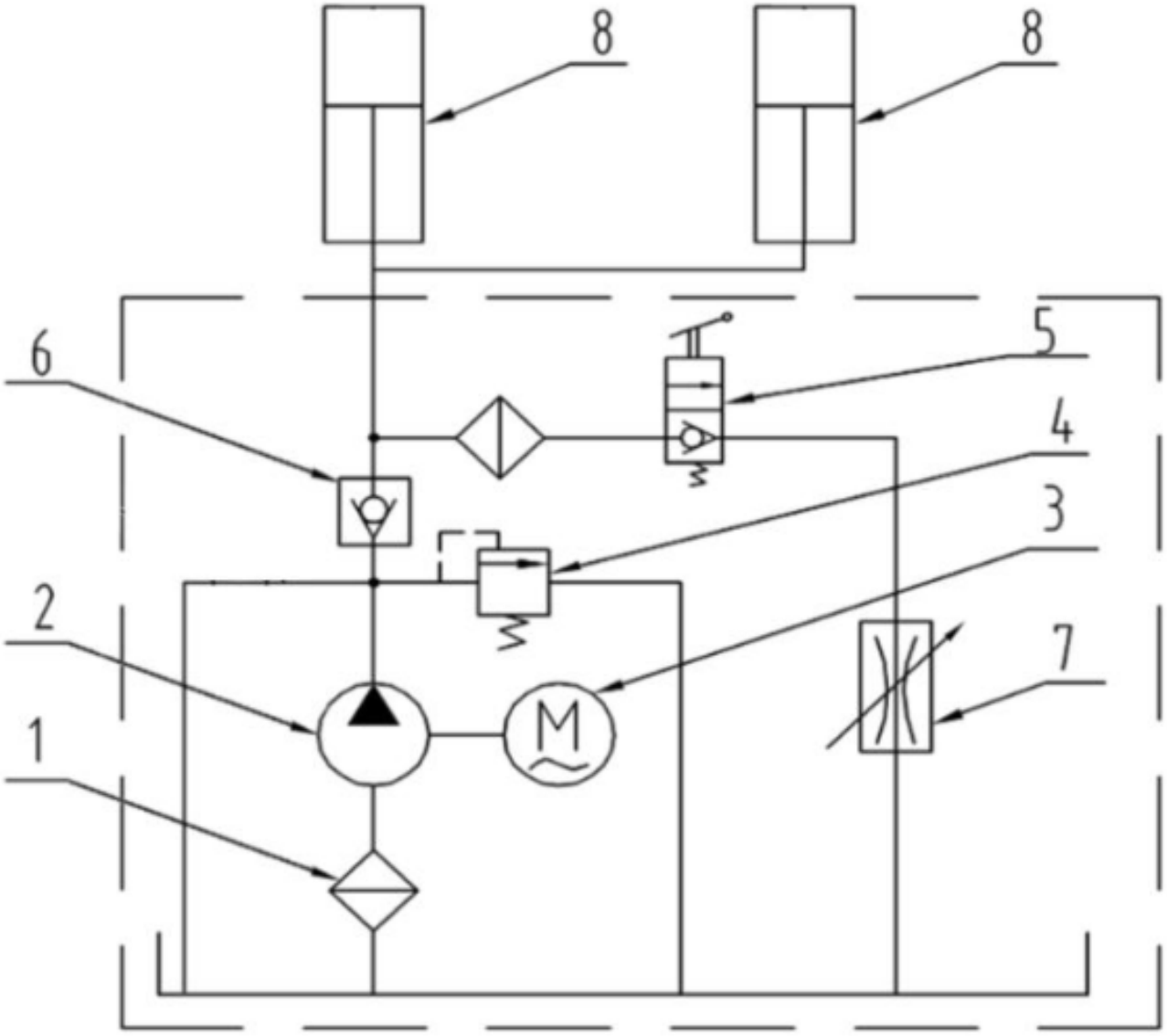


Fig. 38 Hydraulic System

Operating the Lift

1. Clear the area around the lift. Lower the carriages fully, retract the arms, and swing them away from the vehicle path.

2. Drive the vehicle between the columns in the indicated direction. Position each arm at a lifting point recommended by the vehicle manufacturer.

3. Adjust the pads so all four contact the lifting points together. Press the power-unit UP button until the pads firmly contact the vehicle. Check pad placement and arm-restraint engagement.

4. Raise the vehicle slightly and check that it is stable and balanced. Continue raising slowly to the desired working height.

5. Use the lowering handle to lower the carriages onto the nearest mechanical safety locks. Confirm that both locks are fully engaged before starting vehicle service.

Lowering the Vehicle

1. Remove tools and equipment from beneath and around the vehicle. Keep everyone except the operator clear of the lift area.

2. Press UP to raise the vehicle slightly and unload the safety locks. Operate the safety release, then use the lowering handle to lower the vehicle in a controlled manner.

3. Once the vehicle is fully on the floor, swing the arms clear and retract them to their shortest length.

4. Drive the vehicle away only after all arms and pads are clear.

Inspection and Maintenance

Monthly: retorque the anchor bolts to 111 ft-lb. Check all fasteners, pins, and connections for secure mounting. Lubricate the cables, inspect hydraulic lines for wear and leaks, and test the safety devices. Lubricate rollers and pins with 90-weight gear oil or an equivalent lubricant.

If any anchor cannot hold the specified torque, stop using the lift until the anchor is replaced and the installation is corrected.

Every six months: inspect moving components for wear, interference, and damage. Check and adjust equalizer-cable tension, verify that the columns are plumb, inspect the rubber pads, and check the safety devices. Replace damaged or worn pads as needed.

Every six months, inspect all moon gears and arm locks for wear and verify full engagement of all four arm restraints. Check the hydraulic-oil level.

Hydraulic cylinders: use ISO VG 46 anti-wear hydraulic oil. Change the oil as needed, depending on use and oil condition.

Complete at least one full raising-and-lowering cycle each day to help purge air from the system. Protect the piston rods from impacts and scratches, and remove debris from the rods and dust seals.

Troubleshooting

Disconnect power before service. Electrical and hydraulic repairs must be performed by qualified personnel. Stop using the lift until the cause of a malfunction is corrected.

SYMPTOM	POSSIBLE CAUSE / CORRECTIVE ACTION
Motor does not run	Check the control button, wiring connections, motor, and contactor. Repair the wiring or replace the failed component.
Motor runs; lift does not rise	Check motor rotation, gear-pump operation, release valve, relief/check valves, and oil level. Correct rotation according to the installed motor wiring; repair failed components or add the specified oil.
Lift will not hold position	Inspect the release valve, relief/check valves, cylinders, and fittings for leaks. Repair or replace affected components.
Lift rises slowly	Check for a blocked hydraulic line, low supply voltage, air in the oil, pump leakage, or an excessive load. Clear restrictions, correct electrical faults, restore oil level and bleed air, replace a leaking pump, or reduce the load.
Lift will not lower	Check whether the safety locks are still engaged. Inspect the release valve, safety-release cable, and hydraulic circuit. Release the locks or repair the failed component.

Disposal and Service Information

When the lift can no longer be used safely, remove it from service and dispose of it in accordance with applicable local requirements.

For parts, service, and warranty assistance, contact Quick Lift USA. Have the model and serial number available when requesting help.

Quick Lift USA automatically provides a two-year warranty on all non-wearable parts, starting at the time of purchase. No registration or paperwork is required.

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