



INSTALLATION & OPERATION MANUAL

YL-4000 & YL-4000H 4 Post 4 Tonne Car Lift



All measurements in this manual are metric. For sales, spare parts and support, please contact your local HighLift dealer.

Specifications & Features

Key dimensions and specifications for both models, converted to metric. Figures in brackets apply to the YL-4000H (extra-high) model where it differs from the standard YL-4000.

Dimensions

Measurement	YL-4000	YL-4000H
Overall length	5,262 mm inc ramps	5262mm inc ramps
Overall height	2,076 mm	2,476 mm
Overall width	2,601 mm	2,601 mm
Lifting height	1,850 mm	2,200 mm
Clearance under runway	1,740 mm	2,075 mm
Width between posts	2,379 mm	2,379 mm
Drive-through width	2,300 mm	2,300 mm
Runway size (L x W)	4,306 mm x 475 mm	4,306 mm x 475 mm
Distance between runways	955 mm inside-to-inside, 1,905 mm outside-to-outside	same as YL-4000
Column cross-section	152 mm x 102 mm	same as YL-4000
Approach ramp size (L x W)	813 mm x 470 mm	same as YL-4000

Shipping & Installation

Measurement	YL-4000	YL-4000H
Minimum concrete slab thickness	100 mm	100 mm
Shipping weight	794 kg	839 kg
Shipping package size (L x W x H)	4,216 x 559 x 762 mm	4,724 x 559 x 762 mm

NOTE

The concrete slab must be at least 100 mm thick, with a minimum compressive strength equivalent to N25 (25 MPa, roughly the original 3,500 psi spec) and reinforced with steel or fibre mesh. Ask your concreter or structural engineer to confirm your slab meets this before installing the lift.

Safety & Performance

Item	Specification
Lifting capacity	4,000 kg (4.0 tonnes)
Runway steel thickness	Gauge 6 (approx. 5.2 mm)
Lock positions	10
Intended use	Parking, storage and servicing
Lifting time	40 seconds

Item	Specification
Finish	Powder-coated for strong corrosion resistance

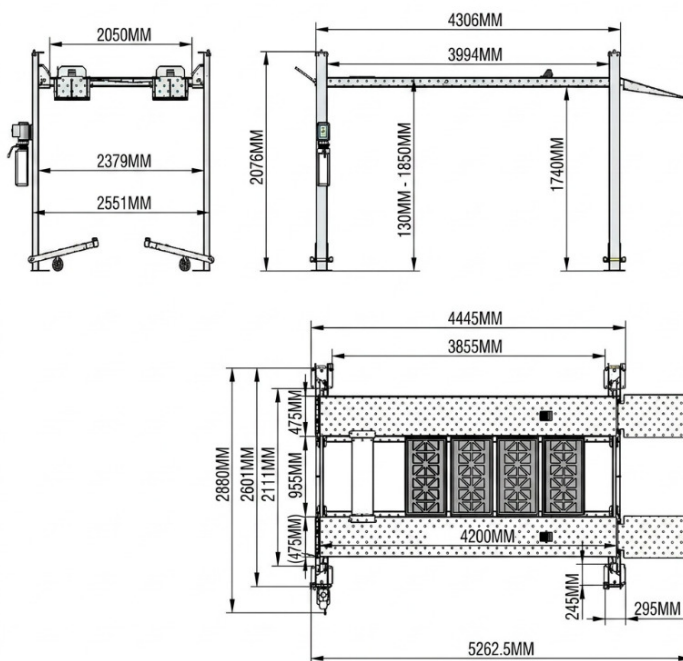
Power & Hydraulics

Item	Specification
Motor	Single-phase, 3 HP (2.0 kW), 10 A running current
Recommended circuit protection	20 A circuit breaker
Hydraulic oil	11–19 litres (approx. 15 L) of AW32 or AW46 hydraulic oil

Dimension Diagrams

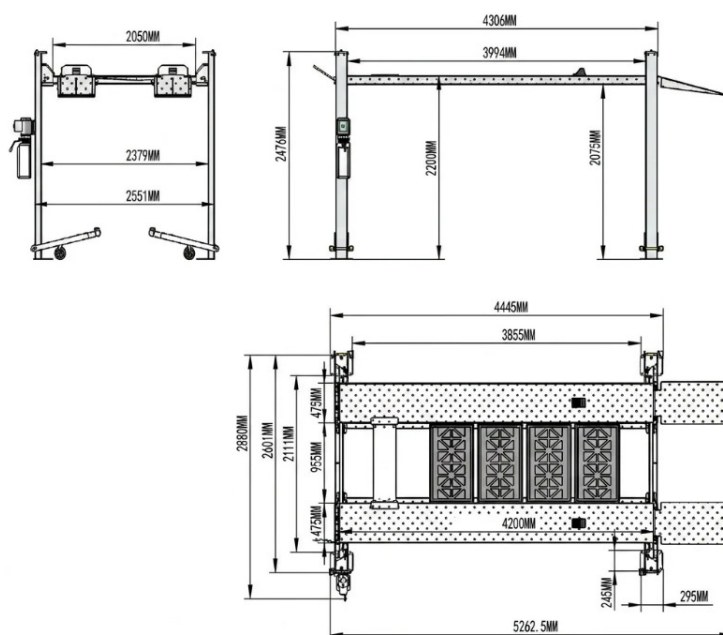
These technical drawings are supplied by the manufacturer with imperial (inch) callouts. Use the tables below each drawing to find the metric equivalent of every figure shown.

YL-4000



YL-4000 dimension drawing (figures shown in mm)

YL-400H



Before You Start

READ THIS BEFORE INSTALLING THE LIFT

Incorrect installation can cause serious injury or damage. Read this entire manual before you begin, and always use a professional installer.

- Read this manual in full before installing the lift. HighLift accepts no responsibility for loss or damage arising from incorrect installation or use. Always use a professional installation company.
- Everyone using this equipment must be competent, properly trained, and follow the operating and safety guidelines in this manual.
- The floor must be level for the lift to install and operate correctly.
- Do not install on asphalt. Install only on a concrete slab at least 100 mm thick with a minimum N25 (25 MPa) compressive strength, reinforced with steel or fibre mesh.
- Do not install over concrete expansion joints or cracks — check with your structural engineer or building certifier first.
- Do not install on an upper floor without written sign-off from a structural engineer. This lift should only be installed at ground level, on a slab with no basement below.
- Never lift only part of a vehicle. This lift is designed to raise the whole vehicle body only.
- Never lift a vehicle with anyone inside it, and never carry passengers on the lift. It is designed for empty vehicles only.
- Only move the lift when it is empty. Never move it with a vehicle loaded.

Installation Requirements

- Use safe lifting technique when moving individual parts, and get plenty of help — the components are heavy. Wear work gloves.
- Install on a level floor with a slope of less than 3 degrees.
- Do not install on asphalt, timber, or any surface other than a compliant concrete slab.
- Do not install outdoors — this will void your warranty.
- Do not install in a basement or on any level other than the ground floor (e.g. not on a first floor) without written authorisation from your structural engineer or building certifier.
- Keep a minimum 150 mm clearance from any slab edge. Do not install over expansion joints or cracks — check with a qualified engineer.
- Leave clear space on all four sides of the lift. Allow at least 600 mm clearance on every side once a vehicle is loaded.
- Incorrect installation can cause damage or injury. HighLift accepts no liability for loss or damage arising from incorrect installation or use.
- This lift is for vehicles only — never use it to lift a person, or any equipment carrying a person.
- Only move the lift when empty. Never move it with a vehicle loaded.
- Read this manual in full before installing the lift, and follow the operating and safety guidance throughout.

2. Tools You Will Need

Gather these tools before you start. Sizes below are shown in millimetres (mm) — Australian metric spanner and hex key sets will cover everything on this list.

Tool	Notes
Rotary hammer drill, 20 mm masonry bit	For anchoring columns to a concrete floor (optional)
Carpenter's chalk / marking chalk	For marking hole positions and layout lines
Hammer / club hammer	General assembly and setting anchors
Screwdriver set	Flat and Phillips head
Spirit level (level bar)	For checking columns are plumb and runways are level
Tape measure, 7.5 m	For laying out the site and checking dimensions
Adjustable wrench, 300 mm (12")	General nut and bolt work
Pliers	General assembly
Ratchet with 28 mm socket	Main structural bolts
Hex (Allen) keys — 3, 5 and 8 mm	Socket-head screws
Combination spanner set — 10, 13, 14, 15, 17, 19, 24, 27 and 30 mm	General assembly
Locking (vice-grip) pliers	Holding parts steady while fastening



Rotary hammer drill



Marking chalk



Hammer



Screwdrivers



Spirit level



Tape measure



Adjustable wrench



Pliers



Ratchet & socket



Hex keys



Spanner set



Locking pliers

3. Planning Your Installation Site

3.1 Choosing a suitable location

The hoist is designed for a covered, sheltered area with no overhead obstructions.

- Do not install it next to wash bays, spray-painting booths, or anywhere solvents or paint are stored — these create explosion and fire risks.
- Follow your local WHS regulations for clearances to walls, other equipment, and walkways/escape routes.

3.2 Lighting

Light the whole area around the hoist evenly and to the standard required by your local regulations, so the operator can clearly see the vehicle, the hoist, and the surrounding area at all times.

3.3 Floor and concrete slab requirements

The hoist does not have to be bolted down to work, but a level floor is strongly recommended — any significant slope will affect how evenly the hoist lifts.

- If your floor slopes more than 3°, consider pouring a new concrete slab. Let new concrete cure for at least 21 days before installing the hoist.
- If you do choose to anchor the hoist to the floor, the slab needs a compressive strength of at least **20 MPa** (about 3000 psi), a minimum thickness of **150 mm (6")**, and should extend at least **1.2 m (4 ft)** beyond each anchor point.

AUSTRALIAN NOTE: 20 MPa is roughly equivalent to standard N20 concrete used for Australian residential driveways and garage slabs, but slab design depends on your sub-grade and local conditions. If in doubt, check with a concreter or structural engineer and confirm against the National Construction Code (NCC) and AS 2870 for residential slabs before pouring.

3.4 Site layout and footprint

Decide which end of the hoist will be the drive-on (approach) side, and which side the power unit (hydraulic cylinder) will sit on. The power-side runway must go on the same side as the power-side column. Mark out the footprint below before you start assembling.

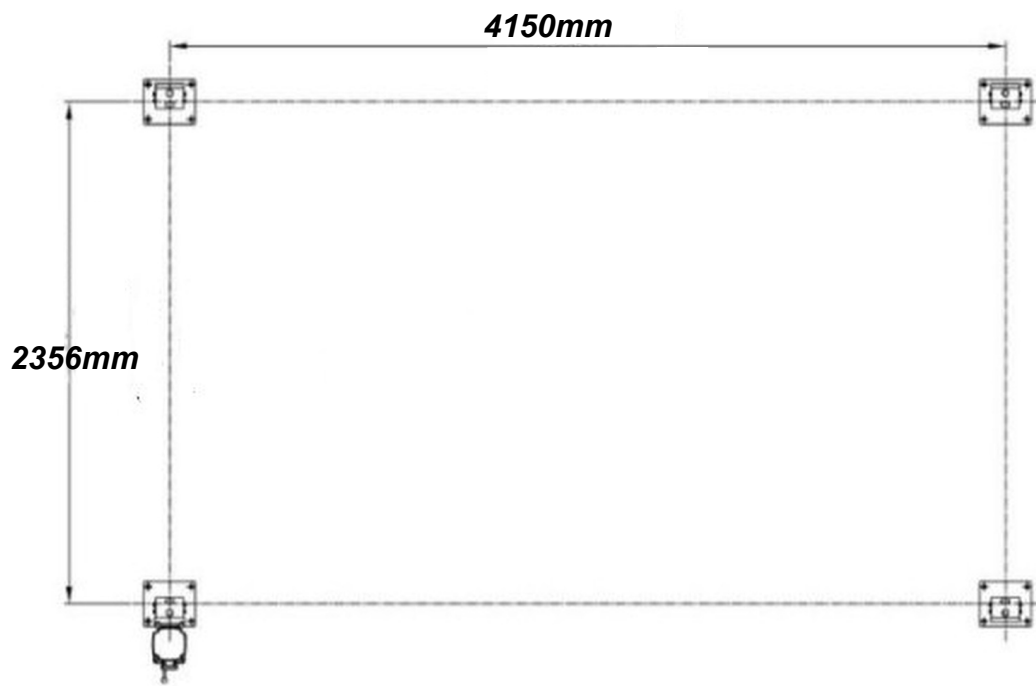
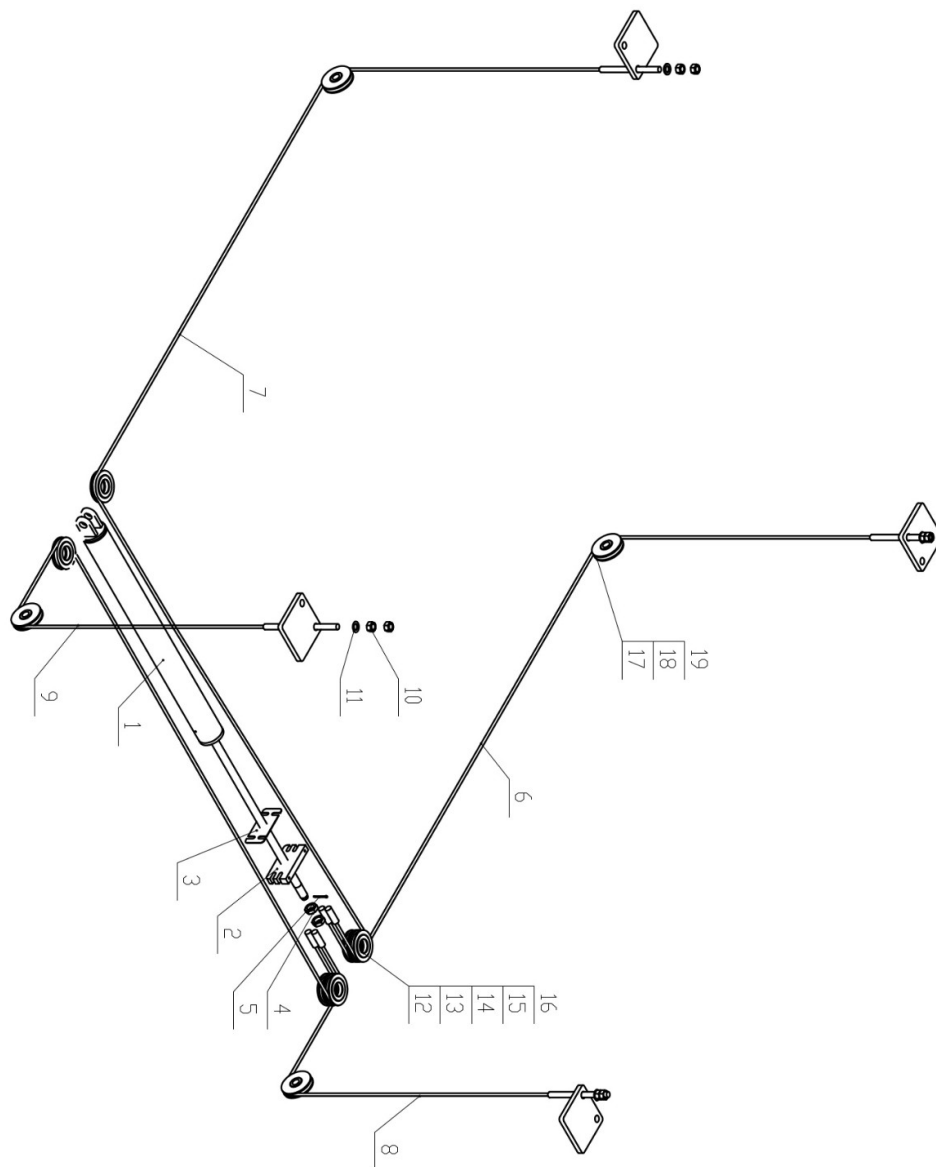


Figure 1 — Column footprint and floor layout (4150 mm × 2356 mm)

Hydraulic / Cable System Drawing



4. Step-by-Step Installation

Work through the following steps in order. Each step refers to a diagram redrawn from the original manufacturer's manual.

4.1 Connect the columns, crossbeams and posts

1. Stand the two columns facing each other, 2356 mm apart, then slide the crossbeam in from the top of the posts.
2. Repeat for the second pair of columns, then stand both assemblies upright once their crossbeams are connected.

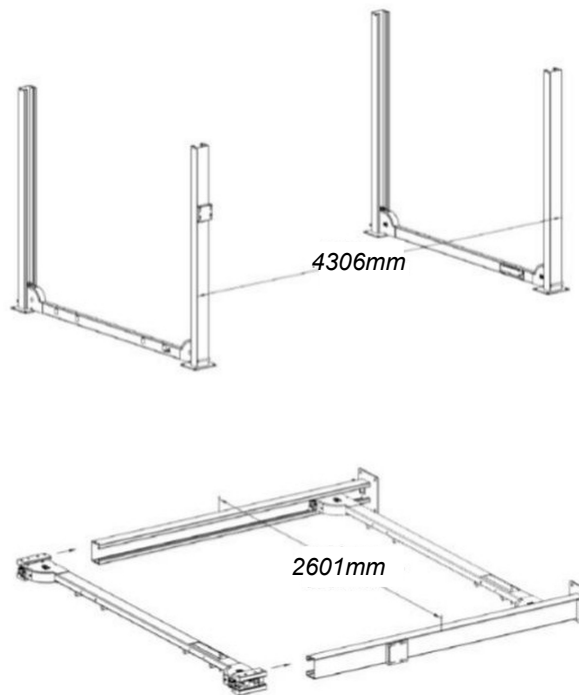


Figure 2 — Connecting columns, crossbeams and posts

4.2 Fit the top post plate and safety ratchets

1. Bolt each safety ratchet to its top post plate using an M20 hex nut and flat washer. Check that all four safety ratchets sit at the same height above the ground — measure from the floor to the lowest square hole on each ratchet to confirm.
2. Bolt the top post plate to the column using M12×25 hex head screws, spring washers and flat washers.

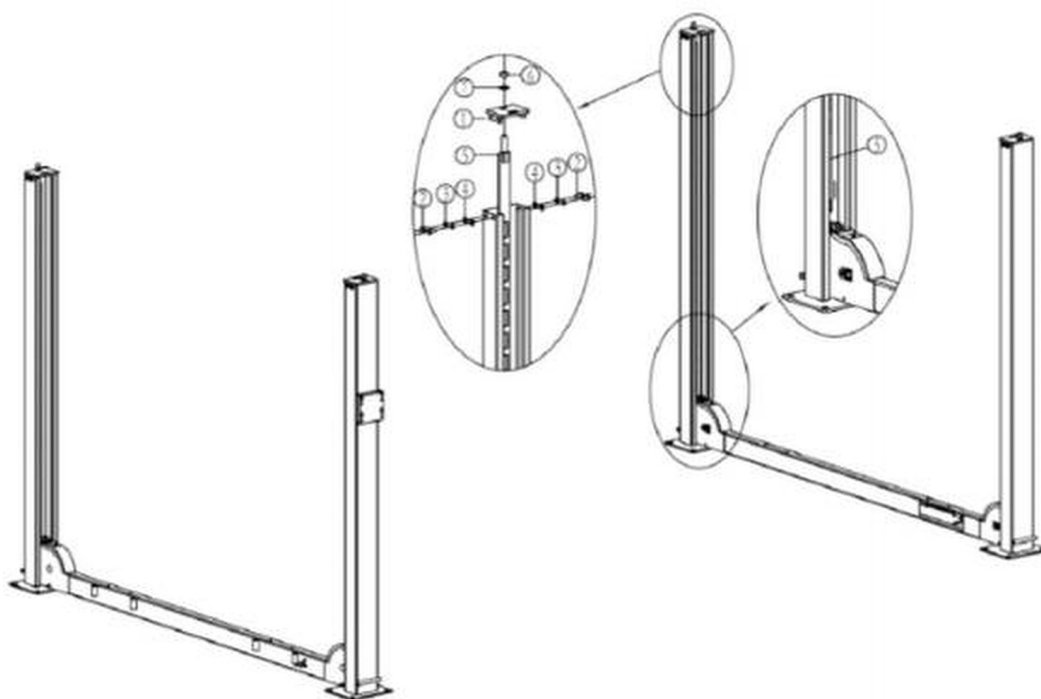


Figure 3 — Top post plate and safety ratchet assembly (1) top post plate (2) M12×25 hex screw (3) Ø12 spring washer (4) Ø12 flat washer (5) safety ratchet (6) M20 nut (7) Ø20 flat washer

4.3 Fit the lifting platforms

1. Raise both crossbeams to the first locking position.
2. Using proper lifting equipment (not by hand), lift each platform into place on the crossbeams and bolt it down with M12×25 hex socket flat head screws.

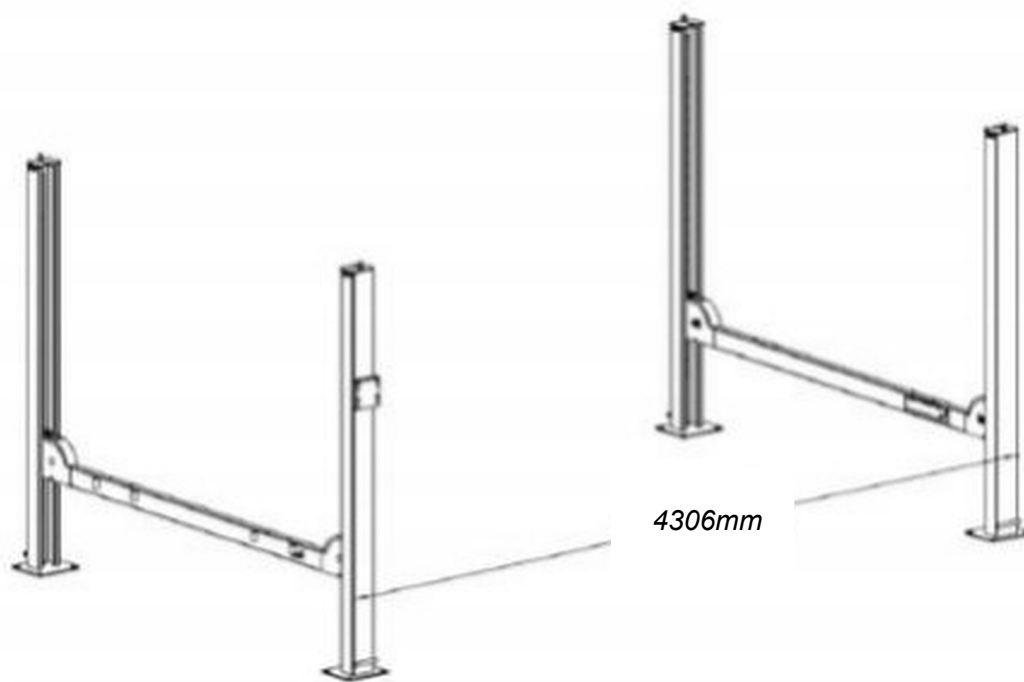


Figure 4 — Raising the crossbeams to the first locking point

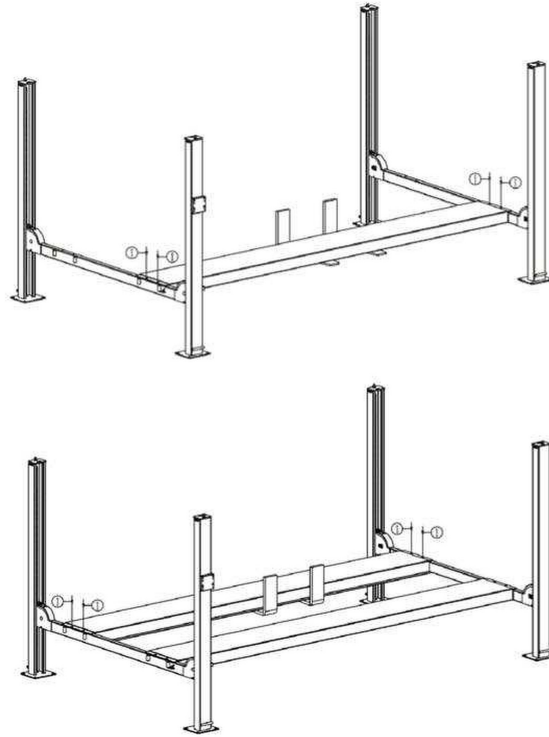


Figure 5 — Fitting the lifting platform to the crossbeam ((1) M12×25 hex socket flat head screw)

4.4 Fit the drive-on ramp mounting plates

Bolt the ramp mounting plate to the rear crossbeam using M16×25 hex head screws and flat washers.

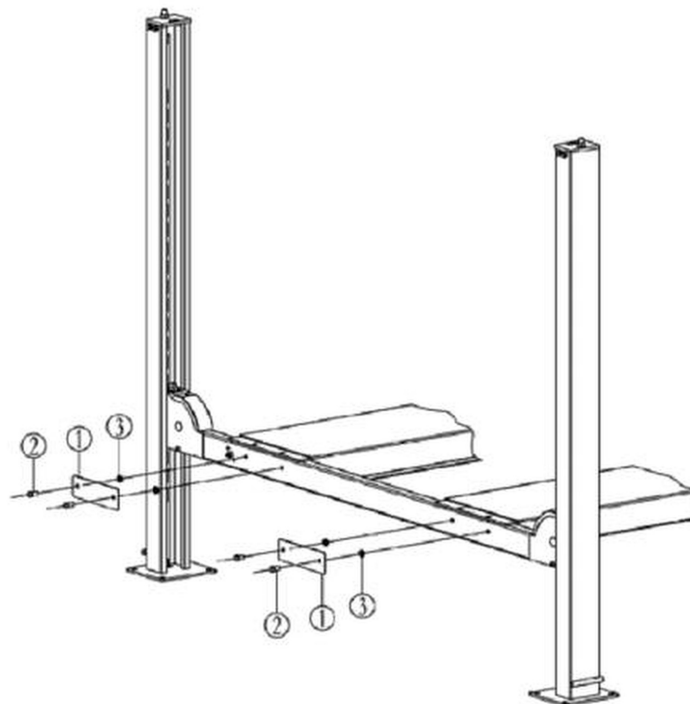


Figure 6 — Fitting the drive-on ramp mounting plate ((1) ramp mounting plate (2) M16×25 hex head screw (3) flat washer)

4.5 Fit the transfer bar

Slide the two halves of the transfer bar into the swing-shaft assemblies on each crossbeam, then join the two halves together with the connecting screws.

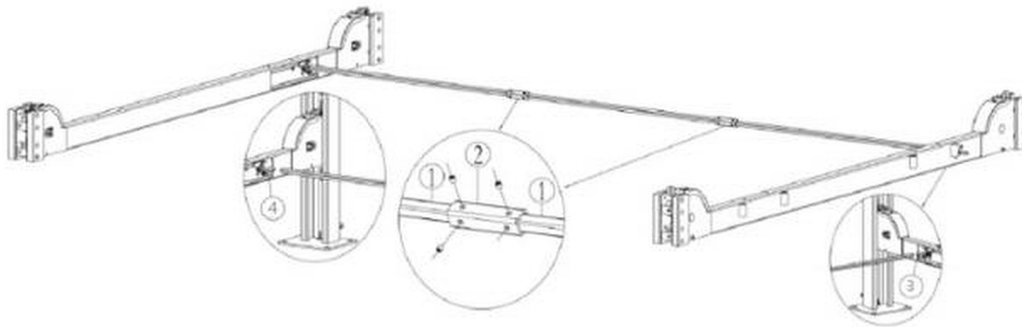
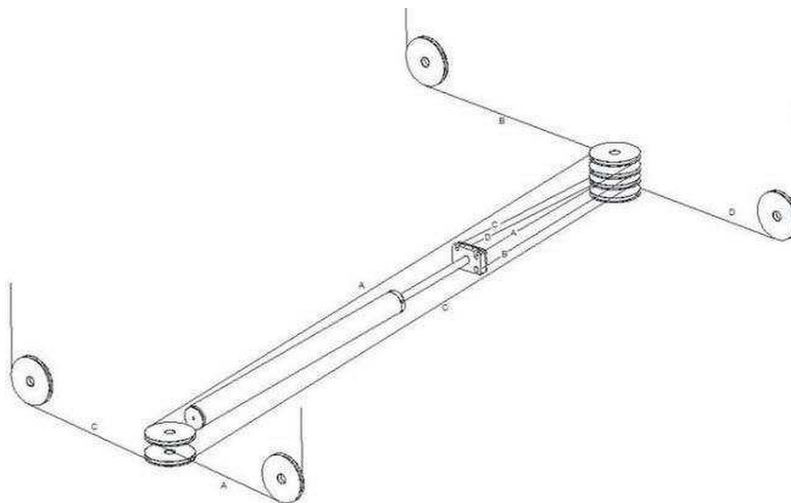


Figure 7 — Transfer bar assembly ((1) transfer bar (2) connecting tube (3) main swing shaft (4) secondary swing shaft)

4.6 Route the lifting cables

■ Each cable must run through the column hole toward the centre of the hoist. If a cable is routed incorrectly, the hoist will not lift evenly and the cable itself can be damaged.

1. Feed the cables out from the power-side runway and thread them through the pulleys in the crossbeams, following the routing diagram below. Keep every cable untwisted and seated properly in its pulley groove, including the slack-cable rollers.
2. Pass the threaded end of each cable through the top plate of its column and fit two M20 nuts, then tighten them.



PLEASE NOTE-

Do not use hydraulic pump to try and push ram out, a 4 post car hoist works in reverse eg it pulls ram in.

To pull ram out to connect lifting cables it is best to use ratchet straps to ratched ram out.

Figure 8 — Cable routing diagram

4.7 Install the power unit

1. Mount the power unit on the bracket on the power-side column.
2. Secure it with M8×20 screws, M10 nuts and washers.

3. Keep the power unit clean at all times.

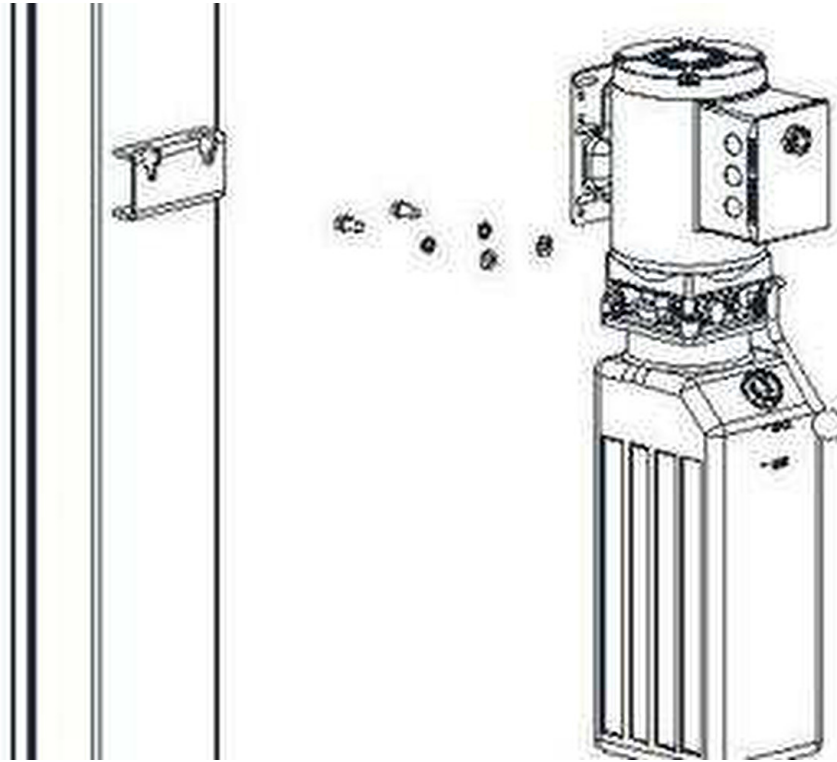


Figure 9 — Fitting the power unit to the column bracket

4.8 Connect the hydraulic hoses

■ Keep hydraulic hoses well clear of any moving part, and keep hoses and fittings free of dust and grit.

1. Clean all hoses and fittings before fitting them.
2. Check every thread for damage and make sure all fittings are in good condition.
3. Route the hydraulic hoses from the power unit to the cylinder through the 90° bulkhead fitting on the power-side runway.
4. Route the rising hose from the power unit to the cylinder through the hole in the power-side runway.
5. Tighten all hose fittings firmly — but do not over-tighten, as this can cause oil leaks.

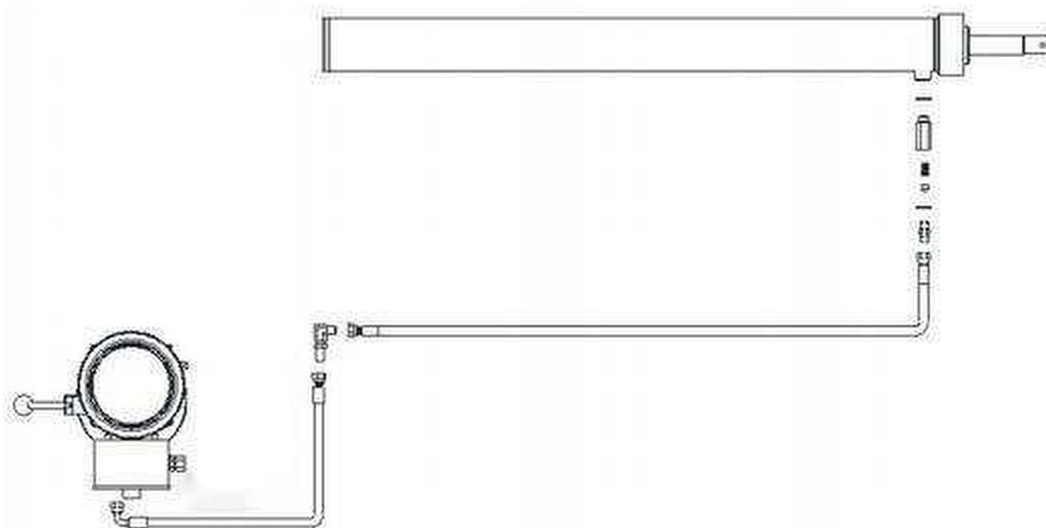


Figure 10 — Hydraulic hose routing from the power unit to the cylinder

4.9 Assemble the safety lock system

The safety lock is a single-point system: one lever, connected by rods and linkages, releases all four lock latches at once so the hoist can be lowered safely.

1. Locate all the parts listed in the table below and match them to Figure 11.
2. Assemble the lock linkage as shown, tightening every screw and nut as you go.
3. Test that all four latches release together when you press the lock release lever.

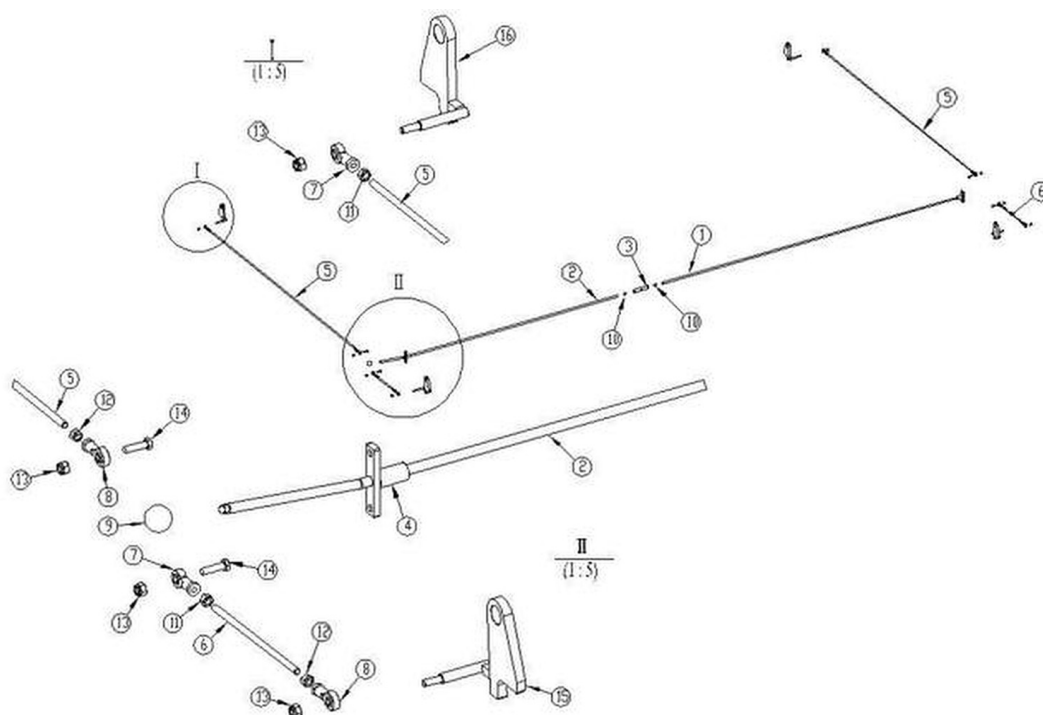


Figure 11 — Safety lock linkage assembly

#	Part	Qty	#	Part	Qty
1	Latch release rod B	1	9	Knob M10×33	1
2	Latch release rod A	1	10	Nut M12	2
3	Coupler	1	11	Nut M8 (left-hand thread)	4
4	Spacer	2	12	Nut M8	4
5	Long stud	2	13	Self-locking nut M8	8
6	Short stud	2	14	Screw M8×30	4
7	Bearing M8 (left-hand thread)	4	15	Right-hand latch	2
8	Bearing M8	4	16	Left-hand latch	2

4.10 Electrical connection

■ **This work must be carried out by a licensed electrician. This is a legal requirement in Australia, not just good practice.**

AUSTRALIAN NOTE: Australian mains power is supplied at 230V (nominally 240V), single-phase, 50 Hz — not the 110V used in North America. Before connecting anything, check the voltage and phase rating printed on the motor's nameplate. If your hoist's power unit is fitted with a 110V motor, it will need a properly rated step-down transformer and correctly sized circuit protection to run safely from Australian power — do not assume it can be wired directly into a 230/240V circuit. Your electrician should size the circuit breaker to suit the actual motor nameplate rating, and confirm the whole installation complies with AS/NZS 3000 (the Australian/New Zealand Wiring Rules).

- Wire the hydraulic power unit according to the wiring diagram supplied with the unit.
- Fit a correctly rated circuit breaker for the circuit, sized by your electrician to match the motor's actual nameplate rating.
- Confirm the hoist is properly earthed (grounded).

4.11 Fill and bleed the hydraulic oil

■ **Never run the power unit without oil — this will damage the pump. If the motor runs hot or sounds unusual, stop immediately and have the electrical connection checked.**

- If the vented filler cap is lost or broken, replace it — the oil tank must be able to vent properly.
- Fill the reservoir with about **9.5 litres** (2.5 US gallons) of hydraulic oil — ISO AW32 in cooler conditions, ISO AW46 in warmer conditions (check what's typical for your workshop's usual temperature range rather than the calendar season).
- Check there are no oil leaks.
- Raise and lower the hoist several times to bleed trapped air out of the cylinders.

Step 6 — Final Steps

Hydraulic Oil

Remove the vent cap from the top of the reservoir and fill with hydraulic oil — AW32 or AW46 is recommended. Don't use transmission fluid; it's too thin. The unit holds approximately 11–19 litres (roughly 15L

Check the Assembly

- Check every bolt and nut is tight.
- Check every fitting for leaks.

Test and Adjust the Lift

- With power connected and hydraulic oil in the reservoir, press the button on the side of the motor to raise the carriages off the locks. Run the lift fully up and down twice more to bleed air from the system.
- Don't over-tighten the cables — they should be firm, similar to a fan belt or a banjo string.

Bleed Air from the Cylinders

- Load a vehicle and raise the lift until the swivel pads contact the vehicle frame. Raise the vehicle about 900 mm, then lower fully. Repeat several times, raising a little higher each time until the vehicle reaches full height. This bleeds all the air from the system.
- Lifting speed will return to normal once the air is fully bled out.

NOTE

For troubleshooting help, contact your HighLift dealer.

Read the Operation, Safety and Maintenance sections below before using the lift.

Operation

Only trained, authorised people may operate this lift. Read the operating and safety instructions carefully before use.

- Maintain and inspect the lift as set out in this manual. Never exceed the rated capacity.
- Never operate a lift that is damaged or needs repair.
- Only authorised people are permitted in the lift area.
- Keep the area clear while raising or lowering the lift. No riders, ever.
- Keep hands and feet clear of pinch points at all times.
- Never bypass or override the lift's operating or safety controls.
- If a vehicle looks like it may fall, clear the area immediately.
- Do not rock the vehicle while it's on the lift.
- Only move the lift when empty. Never move it with a vehicle loaded.
- Always use safety jack stands when removing or fitting parts on a vehicle.

Raising the Lift

- Centre the vehicle on the platform and check it is secure.
- Press the GREEN button to raise the vehicle.
- Release the GREEN button to stop the lift at the desired height.
- Always make sure the lift is resting on its safety locks before working on or near the vehicle.

Lowering the Lift

- Make sure the area is clear of people and objects.
- Press the GREEN button briefly to raise the lift slightly, clearing the safety locks.
- Press the release handle and, at the same time, the unloading handle on the power unit to lower the lift.
- Lower the lift fully.

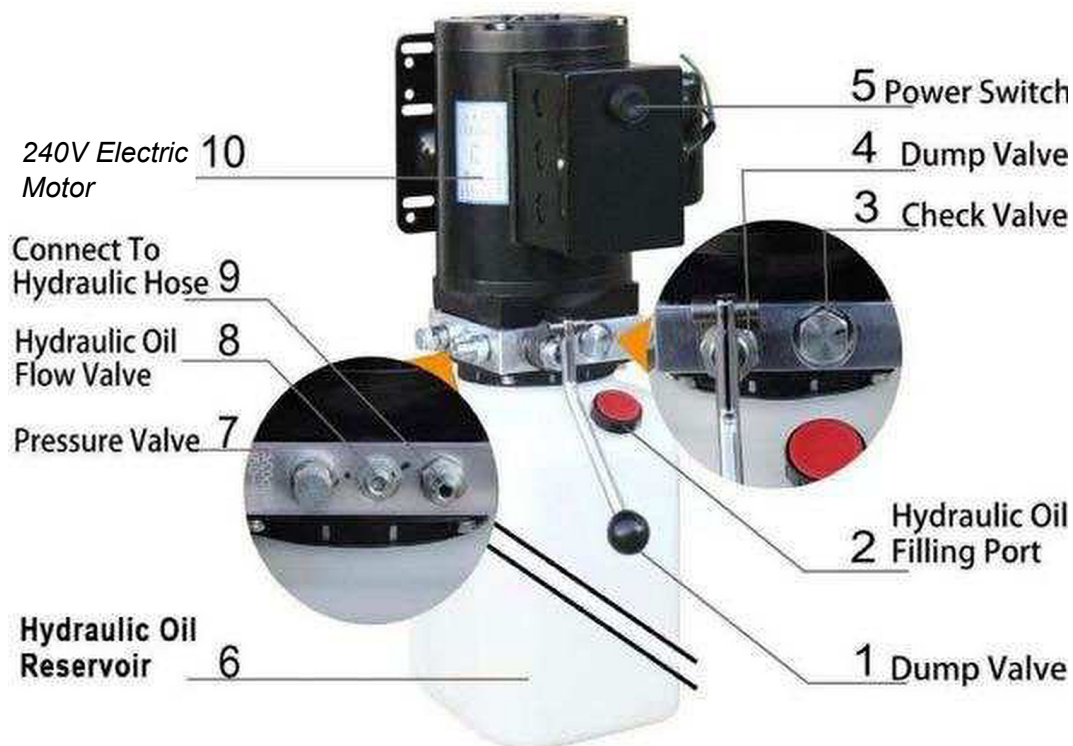


Figure 12 — Power unit layout: (1)(4) dump valve (2) oil filling port (3) check valve (5) power switch (6) hydraulic oil reservoir (7) pressure valve (8) hydraulic oil flow valve (9) hose connection (10) motor

HOW THE VALVES WORK: Pressure valve (7): turn clockwise for more lifting power, anticlockwise for less.
Flow valve (8): turn clockwise to speed the hoist up, anticlockwise to slow it down.

4.12 Final adjustments and accessories

Level the runways

The runways must be level from side to side and front to back, with a maximum tolerance of **3 mm (1/8")**.

1. Raise the hoist clear of the latches so its full weight is on the cables, and check that all cables have equal tension.
2. Check both runways are level using a spirit level or laser level. If not, adjust the cables as shown in Figure 8.

Check the locking positions

1. Raise the hoist from the bottom to the top and listen for 12 latch clicks.
2. Raise it to the top latch position and check all four latches engage evenly. If not, adjust as shown in Figure 6.

Fit the remaining accessories

- Fit the pulley cover to each end of the crossbeams using M6×10 screws.
- Fit the drive-on ramps to the rear crossbeam.

Caster kit (optional)

If you've ordered the optional caster kit so the hoist can be moved:

1. Raise the hoist to about **500 mm (20")** high.
2. Fit the caster assembly into the column as shown and secure it with the pin and split pin.

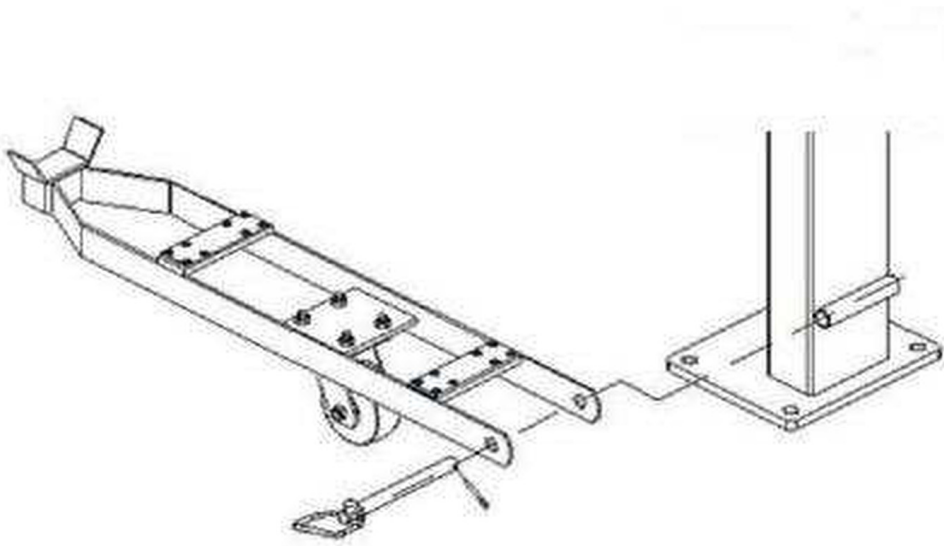


Figure 13 — Fitting the optional caster kit

4.13 Anchoring the columns to the floor (optional)

If you are anchoring the hoist down, the slab needs a compressive strength of at least **20 MPa** (about 3000 psi), a minimum thickness of **150 mm (6")**, and should extend at least **1.2 m (4 ft)** beyond each anchor point.

1. Using the base plate as a guide, drill each anchor hole about **150 mm (6")** deep with a 16 mm masonry bit in a rotary hammer drill. Keep the drill steady — don't wobble or ream the hole, or the anchor won't hold properly.
2. Blow or brush all dust out of each hole thoroughly.
3. Fit the washers and nuts onto the anchor bolts, then tap each anchor into its hole until the washer sits against the base plate. If you need to pack the base with shims, leave enough thread exposed to do so.
4. Add shims around the anchor bolts as needed until each column is plumb.
5. With the shims and anchors in place, tighten each nut down onto the base plate.

4.14 Checks before first start-up

Before you attempt to lift a vehicle, work through every item below. Do not raise a vehicle until this check is complete.

General checks

- All columns are plumb.
 - The electrical supply voltage matches the rating on the motor's nameplate.
 - The electrical connections match the wiring diagram and the hoist is properly earthed.
 - All plastic sliders are correctly positioned and greased.
 - All pins are correctly installed and greased.
-

- Every bolt, nut and screw is fully tightened.

Steel cables

- All cables are correctly routed and sitting on the correct pulleys.
- All cables have equal tension and the hoist rises evenly. Adjust if it doesn't.

TIP: Cables stretch a little when new. Re-tension them after the first week of use, then again after three months. Skipping this will cause the hoist to lift unevenly.

Safety lock

- The lock engages and releases properly.
- All four latches engage evenly. Adjust if they don't.

Hydraulic system

- Oil level in the tank is correct — top up if needed.
- Raise the hoist to full height, run the motor for 5 seconds, and check every hose connection for leaks. Tighten or reseal as needed.
- The hoist reaches its full rated height.

4.15 Test run with a vehicle load

■ **Follow this step carefully to avoid damaging the hoist.**

Run two or three complete raise-and-lower cycles, both empty and with a vehicle loaded, and:

- Repeat all the checks from Section 4.14.
 - Listen for any unusual noise while lifting or lowering.
 - Re-level the runways if needed.
-

5. Operating Your Hoist

■ **Never operate the hoist with anyone or anything underneath it. Never exceed the rated lifting capacity. Always confirm all latches are engaged before working on or near the vehicle. Never leave the hoist raised unless the safety latches are engaged. If an anchor bolt is loose or any part is damaged, stop using the hoist until it's repaired.**

5.1 Controls

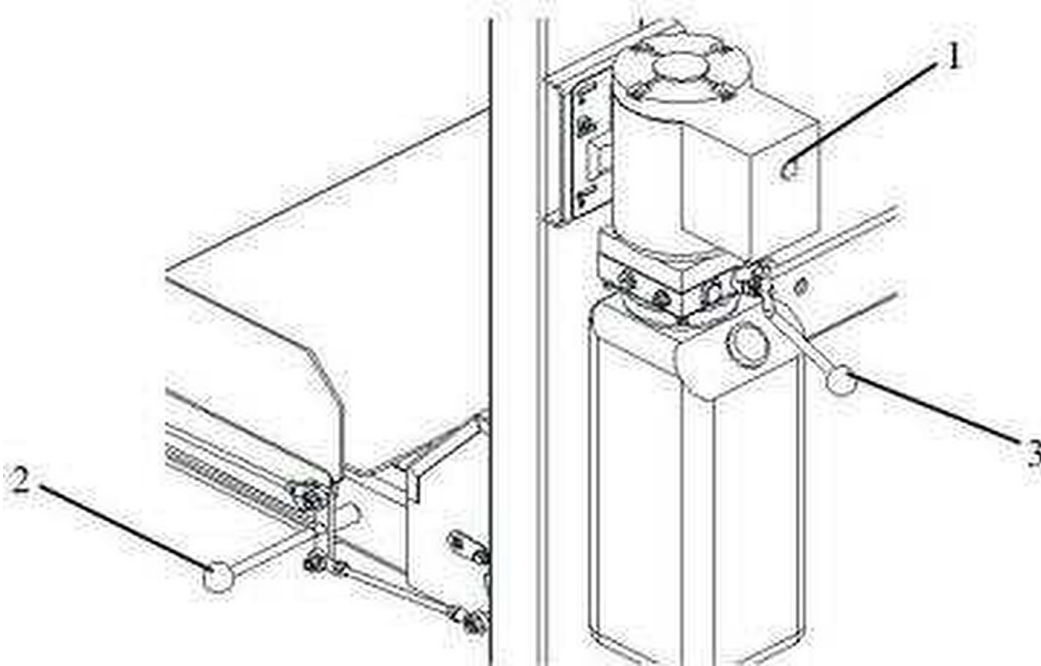


Figure 14 — Hoist controls: (1) lifting button (2) latch release lever (3) lowering handle

- **Lifting button (1):** press and hold to run the power unit and raise the hoist. Release to stop.
- **Latch release lever (2):** press to release the lock latches so the hoist can be lowered.
- **Lowering handle (3):** with the latches still engaged, press this to drop onto the nearest latch. Press it together with the latch release lever to lower the hoist smoothly to any height under its own weight.

5.2 Lifting a vehicle

1. Check overhead clearance.
2. Make sure the hoist is fully lowered and the area is clear before driving the vehicle on.
3. Centre the wheels on each runway.
4. Stop the vehicle against the front stops, or at your desired position.
5. Apply the park brake or chock both rear wheels.
6. Make sure everyone has cleared the area.
7. Press the lifting button until the hoist reaches the height you need.

5.3 Standing on the latches

- Press the lowering handle to drop onto the nearest latch position.
- Always confirm every column's latch is engaged before working on or near the vehicle.

5.4 Lowering a vehicle

1. Make sure the area under and around the hoist is clear of people and objects.
2. Press the lifting button briefly to lift the hoist clear of the latches.
3. Lower the hoist by pressing the latch release lever and the lowering handle together.
4. Watch the hoist and vehicle to confirm it stays level as it lowers.
5. Lower it all the way down.
6. Remove the wheel chocks and check the area is clear before driving the vehicle off.

5.5 Moving the hoist (optional caster kit)

- When lowered, the columns automatically lift off the floor on their casters so the whole hoist can be rolled to a new position.
- When raised, the columns automatically sit back down on the floor for stable use.
- Always confirm every column's lock is engaged before working on or near the vehicle.

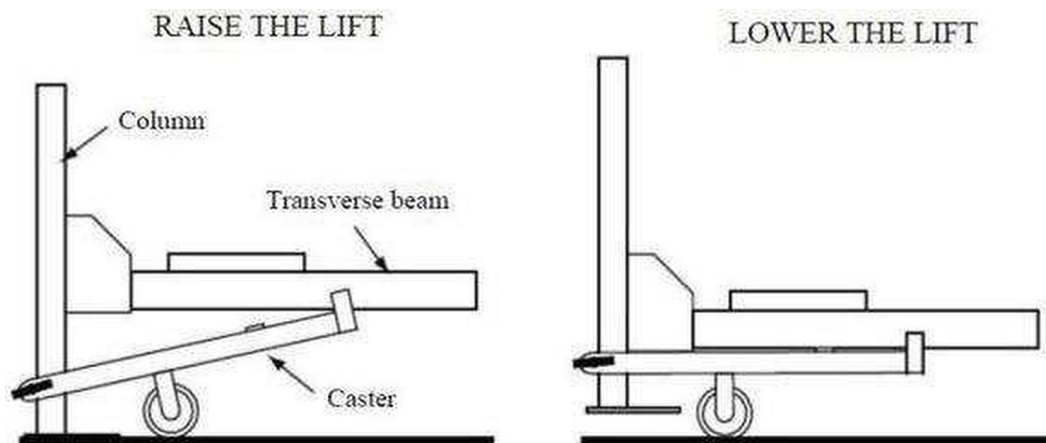


Figure 15 — Raising and lowering with the optional caster kit

Safety

NEVER WORK UNDER OR NEAR THIS LIFT WITHOUT THE LOCKS ENGAGED

The power unit is not designed to hold a load. Relying on hydraulic pressure instead of the mechanical locks will cause premature failure of the cylinders, pump and/or cables, and can cause serious property damage or personal injury. Failure to heed this warning will void your warranty.

DAILY PRE-OPERATIONAL CHECKS ARE ESSENTIAL

Skipping the daily pre-operational check can lead to expensive damage, lost production time, serious injury, or death. Confirm the safety latch system is working properly before every use.

NOTE

It is the owner's/operator's responsibility to maintain correct tension on the equaliser cables. Have a qualified technician adjust the cables after installation, and whenever tension seems off.

If you are ever unsure how to safely operate the lift, stop using it and contact your HighLift dealer for assistance.

Routine Care

- **Lubrication:** grease all nylon block corners inside each column with heavy-duty bearing grease before first use, and every six months after that.
- **Concrete:** check for stress cracks daily during the first two weeks of use, then monthly.
- **Bolts and nuts:** check every six months.
- **Hydraulic oil:** change once a year, and clean the suction filter at the same time.

Safety Tips

- Never let untrained people operate the lift. Train new staff thoroughly in its use and care.
- Remember the power unit operates at high pressure.
- Remove all passengers before raising a vehicle.
- Keep unauthorised people out of the work area while the lift is in use.
- Total lift capacity is 4,000kg (4.0 tonnes) — never exceed this.
- Before lifting, walk around the lift and check for tools, air hoses, or other equipment that could interfere with the lift or its safety latches.
- When driving a vehicle onto the lift, centre it between the columns with the tyres centred on the runways.
- Drive on slowly, ideally with someone outside the vehicle guiding the driver.
- Always raise the vehicle about 75 mm first and rock it gently to check stability before lifting further.
- Before lowering, walk around the lift again and check for anything that could interfere with the lift or its safety latches.
- Always lower the lift onto the lock position before going underneath a vehicle.

6. Maintenance Schedule

Only someone trained on how the hoist works should service it.

- Use only genuine spare parts and the right tools for the job.
- Follow the schedule below.
- Investigate the cause of anything unusual — excess noise, overheating, oil seeping past seals, and so on.
- Refer to the manufacturer's or dealer's documentation for detailed repair work.

■ **Disconnect the power supply before carrying out any maintenance or repair work.**

6.1 Everyday care

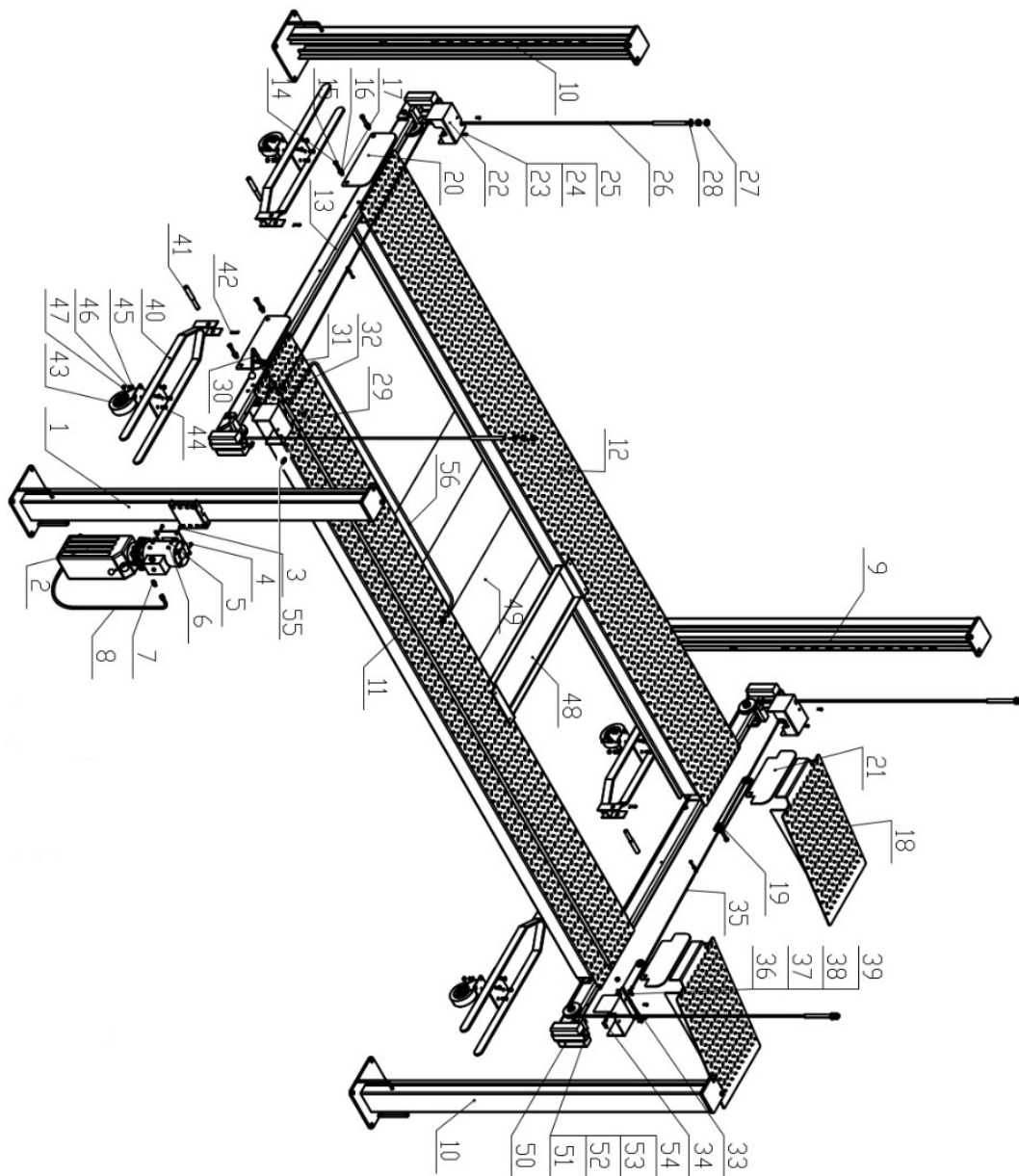
Clean the hoist at least once a month using a soft, dry cloth or a proprietary cleaning cloth. Never use water or a flammable liquid to clean it. Keep the hydraulic cylinder rods clean and undamaged — a damaged rod can cause seals to leak and lead to malfunctions.

6.2 Scheduled maintenance

Frequency	Checks
Every day, before use	Check hydraulic connections and hoses for leaks • check mechanical locks audibly and visually while operating • check arm locks • check all bolts, nuts and screws are tight
Every month	Check all cable connections, pins and bolts for proper mounting • inspect anchor bolts and retighten if needed • check columns are square and plumb • check equalizer cable tension, adjust if needed • check the safety cable, adjust if needed • check all arm pivot pins are secure • check lifting pads, replace if needed • grease the columns • check hydraulic oil level, top up or replace if needed • check the hydraulic system operates properly
Every 12 months	Verify no components or mechanisms are damaged • check the equalizer cables for wear, replace if needed • have a licensed electrician verify the motor and electrical system operate correctly • drain and replace the hydraulic oil

YL-4000 / YL-4000H Exploded-View Drawing

Part numbers below match the reference numbers shown in this drawing.



Part List

No.	Part	Qty
1	Main column	1
2	Power unit	1
3	Hex bolt M8x25mm	4
4	Flat washer M8	4
5	Spring washer M8	4
6	Hex nut M8	4
7	Hose fitting M14x1.5 / G1/4	1
8	Hose to power unit, 1,690 mm	1
9	Secondary column, opposing	1
10	Secondary column	2
11	Main runway	1
12	Secondary runway	1
13	Cross beam assembly	2
14	Hex bolt M12x90	8
15	Hex nut M12	8
16	Spring washer M12	8
17	Flat washer M12	8
18	Ramps	2
19	Bracket for ramp	2
20	Front stop, 410x180mm	2
21	Rear stop, 410x180mm	2
22	Pulley covers	4
23	Hex socket screw M8x16	8
24	Flat washer M8	8
25	Spring washer M8	8
26	Cables (see hydraulic/cable system list)	4
27	Hex nut M12	8
28	Flat washer M12	4

No.	Part	Qty
29	Long lock release rod, runway side — HW-8S 3,820 mm / HW-8SXLT 4,400 mm	1
30	Lock release handle	1
31	Spacer, 25 mm	2
32	Hex nut M12	4
33	Lock release threaded rod	1
34	Short lock release rod, beam side — HW-8S 132 mm / HW-8SXLT 207 mm	2
35	Long lock release rod, beam side — HW-8S 2,010 mm / HW-8SXLT 2,085 mm	2
36	Hex bolt M6x35	8
37	Flat washer M6	8
38	Spring washer M6	8
39	Hex nut M6	16
40	Caster kit frame	4
41	Pin for part 40, 180 mm	4
42	R-shape pin, 70 mm	4
43	Casters	4
44	Hex bolt M10x25	16
45	Flat washer M10	16
46	Spring washer M10	16
47	Hex nut M10	16
48	Jack tray	1
49	Oil drip tray	3
50	Nylon slider, 180x60x45mm	8
51	Flat plate for nylon sliders	-
52	Hex socket screw M8x25	8
53	Flat washer M8	8
54	Spring washer M8	8
55	Angle fitting on runway, G1/4 / G1/4	1
56	Hose under runway — HW-8S 2,010 mm / HW-8SXLT 2,200 mm	1
57	Power cord, 3 m (not shown in diagram)	1

Hydraulic / Cable System Part List

No.	Part	Qty
1	Cylinder	1
2	Cable plate 1, 150x78mm	1
3	Cable plate 2, 150x70mm	1
4	Hex nut M24	1
5	S-pin, 4x40mm	1
6	Cable 1 — HW-8S 4,070 mm / HW-8SXL 4,360 mm	1
7	Cable 2 — HW-8S 8,110 mm / HW-8SXL 8,860 mm	1
8	Cable 3 — HW-8S 2,640 mm / HW-8SXL 2,930 mm	1
9	Cable 4 — HW-8S 6,680 mm / HW-8SXL 7,430 mm	1
10	Hex nut M18	8
11	Washer M18	4
12	Runway pulley	6
13	Deep-groove ball bearing	6
14	Spring spacer	6
15	Pulley axle	4
16	Hex socket screw M8	6
17	Cross beam pulley	4
18	Bearing	4
19	Cross beam pulley pin	4

7. Troubleshooting Guide

Problem	Possible cause	What to do
Hoist does not respond at all	No power to the unit	Check the power supply and restore it if needed
	Electrical wiring disconnected	Have your electrician reconnect it
	Circuit breaker has tripped/blown	Check for correct voltage; replace the breaker if faulty
Hoist will not raise	Hoist is overloaded	Check the vehicle's weight against the rated capacity
	Motor is turning the wrong way	Have your electrician swap the two phases at the main switch
	Not enough oil in the power unit	Top up with hydraulic oil
	The lifting button is faulty	Check the button and its wiring; replace if needed
	Lowering valve is not closing	Clean it if dirty, or replace if faulty
	Suction tube or pump filter is dirty	Check and clean
	Air trapped in the hydraulic system	Bleed the hydraulic system
Lifting capacity is too low	Pump is faulty	Check the pump and replace if needed
	Oil leaking from the hydraulic circuit	Check the whole circuit for leaks
Hoist will not lower when the release lever and handle are pressed	Lowering valve not working properly	Check the valve and replace if needed
	Equalizer cables are unevenly tensioned	Re-adjust the equalizer cables
Hoist does not lower smoothly	Air trapped in the hydraulic system	Bleed the hydraulic system
	Sliders are not sufficiently greased	Grease the sliders
	Sliders are damaged	Replace the sliders

Adapted for Australian readers from the APlusLift HW-4P9S 4-Post Parking Lift Installation, Operation & Maintenance Instructions (manufacturer's sections 5–8). Always keep the manufacturer's original manual with the hoist, and consult a licensed electrician and your local WHS regulator for anything not covered here.

Warranty

HighLift Limited 3-Year Warranty

HighLift offers a limited 3-year parts warranty to the original purchaser of this lift, covering parts found to be defective in materials or workmanship under normal use, for three years from the date of purchase. HighLift will replace defective parts without charge, subject to the conditions below. This warranty does not apply to equipment that has been installed incorrectly, altered, or not operated or maintained according to this manual.

Electric motors & hoist cables come with a 12 month warranty

This Warranty Does Not Cover

- Parts required for normal maintenance.
- Wear parts, including but not limited to cables, slider blocks, rubber pads and pulleys.
- Replacement of lift cylinders after the first 30 days from purchase. After this period, a seal kit and installation instructions will be supplied for repairs.
- On-site labour.

Making a Warranty Claim

- Inspect the equipment for freight damage when it arrives, before signing for delivery. Freight damage is a matter for the shipping carrier, not a warranty claim, so note any damage on the delivery paperwork at the time.
- Report any missing parts within 30 days of delivery. Report a missing power unit or motor immediately on delivery.
- HighLift will replace defective parts under warranty at no charge, as soon as the part is available.

HighLift may improve or change the design of its lifts at any time, without any obligation to update previously sold or manufactured equipment.

Your Rights Under Australian Consumer Law

AUSTRALIAN CONSUMER LAW

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure, and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits given by this warranty are in addition to your other rights and remedies under the Australian Consumer Law.

This HighLift warranty is granted to the original purchaser only and is not transferable. It is provided in addition to — not instead of — your statutory rights under the Australian Consumer Law. Nothing in this warranty is intended to exclude, restrict or modify any consumer guarantee, right or remedy under the Australian Consumer Law or any other applicable law that cannot lawfully be excluded or limited.