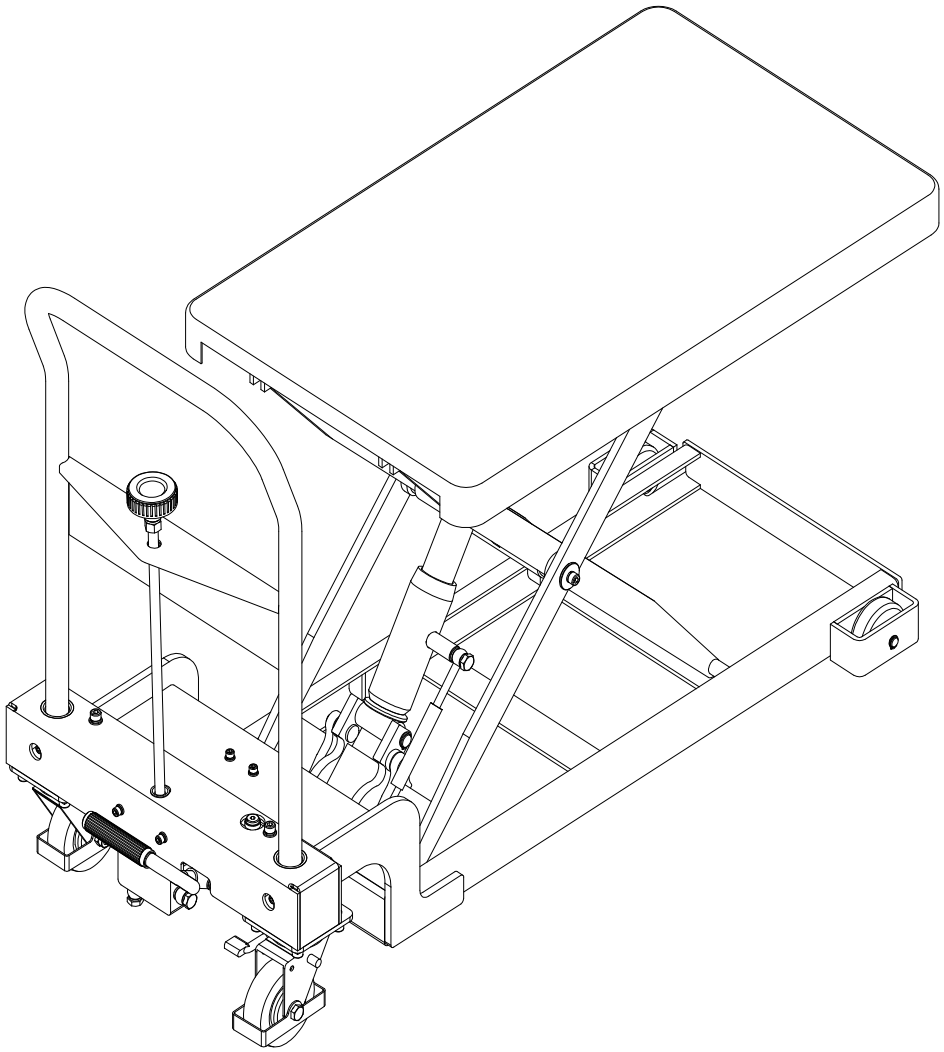
Instruction Manual

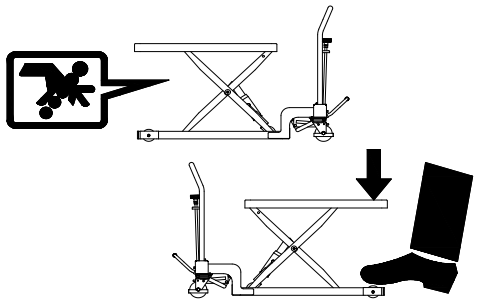
LP-AS Series



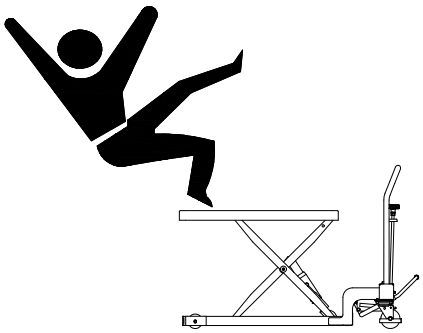
NOTE: Owner/Operator must read and understand this instruction manual before using the lift table.

WARNING

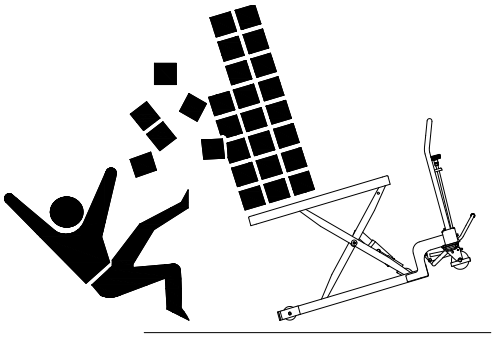
The following operation would cause an accident resulting in injury or death such as getting buried under a fallen cargo or the lifter. Do not conduct such operation.



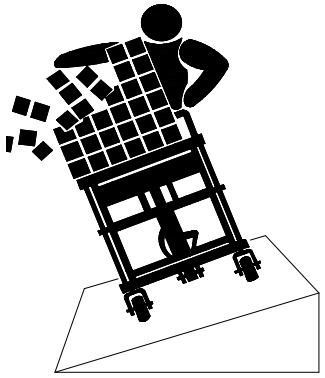
■ **Do not step in or put hands under the table. The table or arm may catch the operator's fingers or toe when lowering the table.**



■ **Do not put any person on the table and a cargo thereon**



■ **Do not load over the maximum loading capacity. Secure a good balance of a cargo to be loaded. Be sure to load equally more than 2/3 of surface area of table. Concentrative, partial, or over Loading may cause damage on the lifter or galling Down of the carriage.**



■ **Do not use the lifter on a floor having an inclination, a difference in level and bumpiness or on a soft surface road.**

CAUTION

Incorrect operation might cause an accident resulting in injury or death.

(1) Be careful not to damage the high-pressure hose. If the hose is rubbed against the rough floor or sharp protrusion, the hose may be broken and the table will be dropped Suddenly.

(2) Do not modify the lifter yourself.

(3) Do not keep the table lifted for a long time. The table comes down little by little. While not using the lifter, keep the table to the bottom.

(4) Use and keep the lifter indoors. The lifter is not applicable to the environment where metals are prone to corrosion.

Method of Operating the Lifter

1. Lifting the table

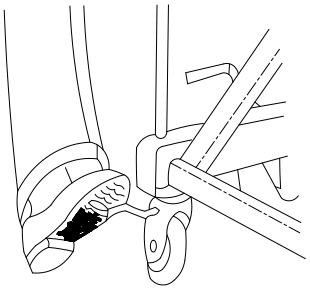
(1) Brake the caster.

(2) Slightly turn the descending lever clockwise to close the valve. (do not close the valve too tightly).

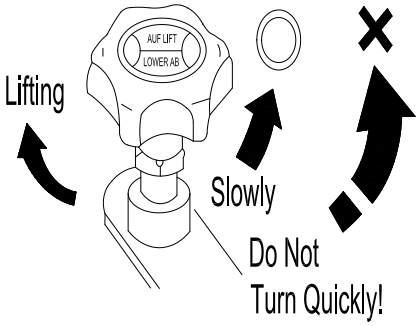
(3) Load cargos within the permissible load. When you load a cargo beyond the permissible load, the check valve functions, and the cargo will not be lifted up

(4) Secure a good balance of a cargo to be loaded. Be sure to load equally more than 2/3 of surface area of table. Concentrative, partial, or over loading may cause damage on the lifter or falling down of the carriage.

■ **Parking Brake**



■ **Descending Lever**



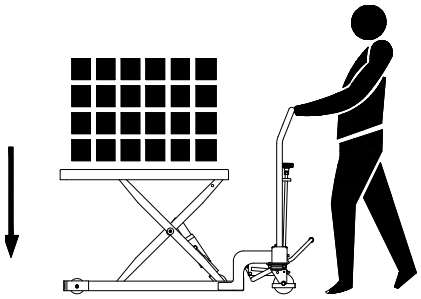
2. Lowering the Table

(1) Brake the caster.

(2) Slowly loosen the descending lever counter clockwise, then the valve opens and the table begins to lower.

(3) The lowering speed can be adjusted by the degree of looseness of the release valve. Do not loosen the valve rapidly, the table drops rapidly and the cargo, lifter, and/or floor would be damaged.

■ **Transporting Posture**



3. Moving the lifter to Transport a Cargo

(1) Release the brake of the caster.

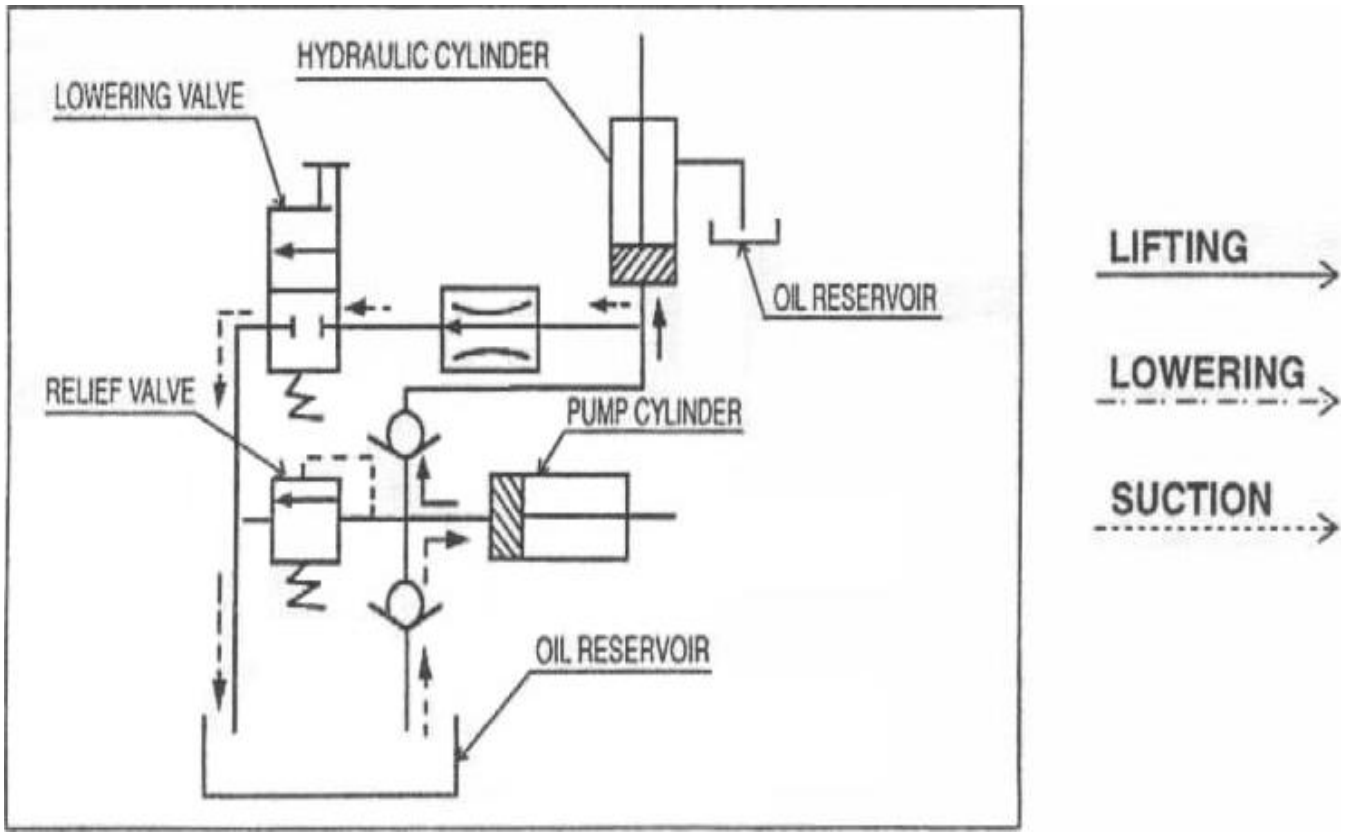
(2) Carry a cargo after lowering the table. The center of gravity is low enough to secure stability.

(3) While traveling, do not start, turn, stop, or use brake suddenly.

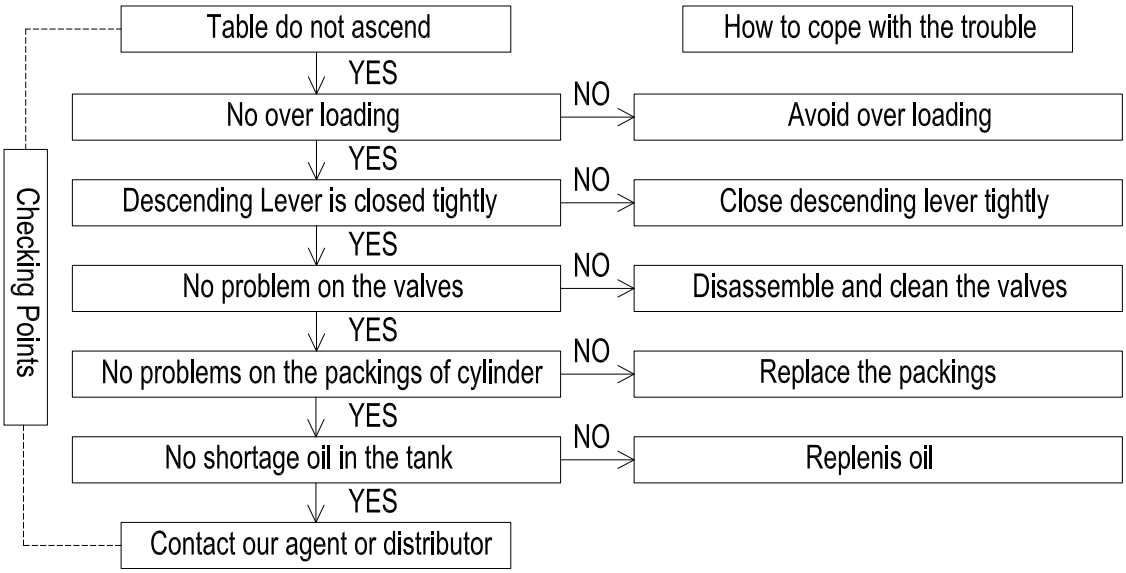
SPECIFICATIONS

Model		CART-200-LP-AS	CART-400-LP-AS	CART-900-LP-AS
Capacity	(Kg/1b)	91/200	181/400	408/900
Table Size	(inch/mm)	29½x15¾" (750×400)	32 11/16x19 11/16"(830×500)	35 7/16x23 5/8"(900×600)
Max. Fork Height	(inch/mm)	23 5/8" (600)	23 5/8" (600)	23 5/8" (600)
Min. Fork Height	(inch/mm)	3 3/8" (85)	3 3/8" (85)	3½" (87)
Handle Height	(inch/mm)	347/16" (875)	347/16" (875)	35 5/8"(905)
Ground Clearance	(inch/mm)	9/16"(14)	9/16"(14)	9/16"(14)
Front Load Roller	(inch/mm)	Ø2.95x1.18" (75x30)	Ø2.95x1.18" (75x30)	Ø2.95x1.18" (75x30)
Steering Wheel	(inch/mm)	Ø3.95x1.10" (100x28)	Ø3.95x1.10" (100x28)	Ø4.9x1.41" (125x36)
Overall Size	(inch/mm)	46 7/8x18½" (1190×470)	49.60x20½"(1260×520)	52x24.40"(1320×620)
Foot Pedal Without Rated Load		1/4"(7)	1/2"(14)	13/16"(21)
Foot Pedal with Rated Load		1" (25)	1¾"(45)	2 11/16"(68)
Liftiing Time ,without Rated Load(s)		9	14	21
Liftiing Time, with Rated Load(s)		8	8	9
Net Weight	(Kg/lbs)	58/128	74/163	108/238

Hydraulic Circuit



Dealing with trouble of not ascending the table.



Starting inspection and periodical inspection

Be sure to carry out the following inspections when you begin using the lifter and periodically (monthly and yearly) to maintain safety of work and performance of the lifter.

Contents to be inspected

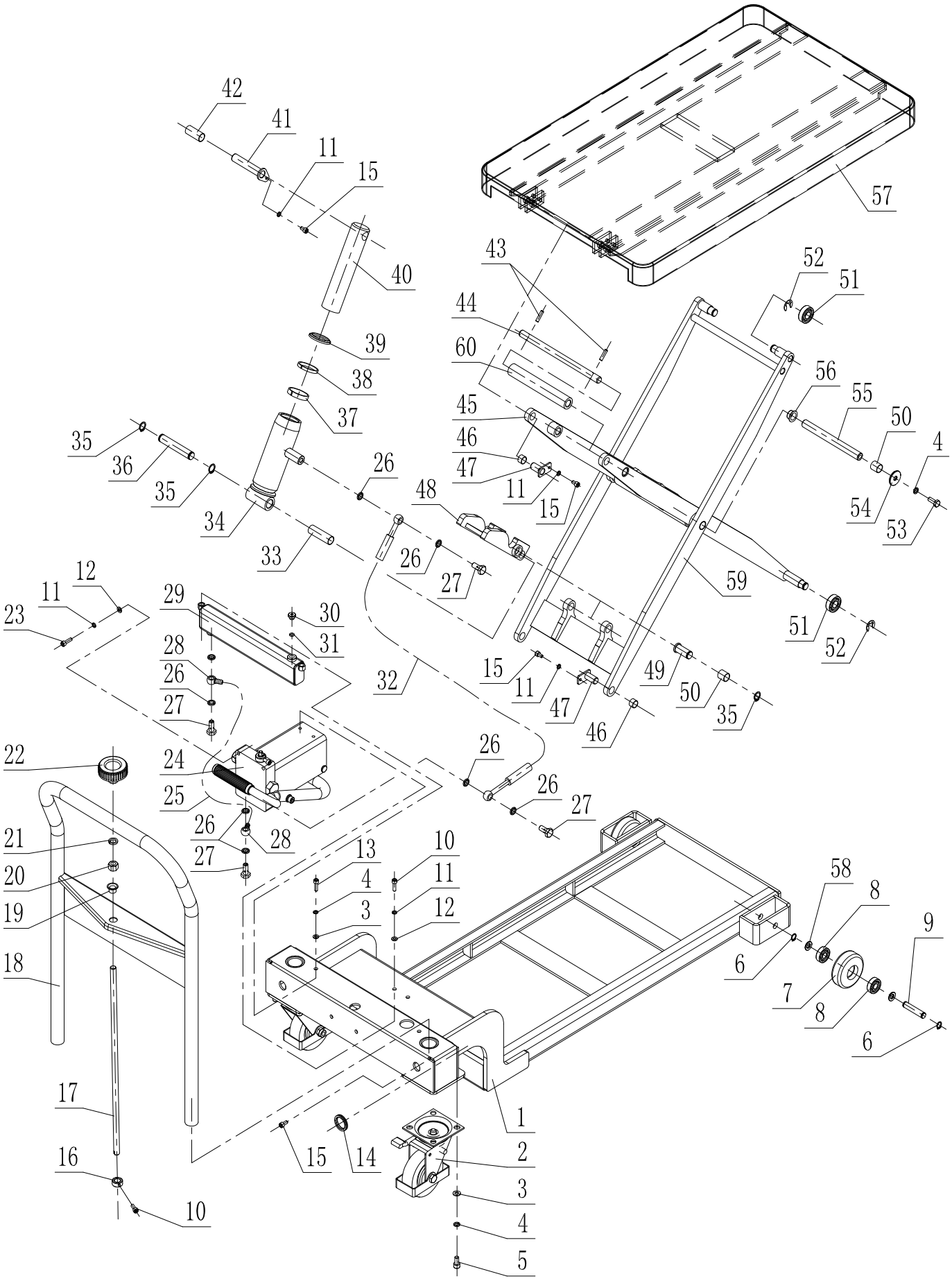
- Check if there is any metal fatigue, distortion or abnormal sound in each frame.
- Check if there is any looseness in the bolts and nuts in each portion.
- Check if there is any abnormal abrasion in the rotating parts, metal and bush.
- Check if there is any abnormality in the wheels, and what is the degree of abrasion of the wheels like.
- Check if the brake works properly.
- Check if there is any abnormality in the ascending and descending operation and function of the lifter.
- Check if there is any oil leakage from the cylinder of oil tank.
- Check if there is any abnormality in the high pressure hose for flaw or oil leakage.

■ Exchange the pump oil once a year.

The pump oil dose not have to be replenished for half a year to one year unless it leaks out.

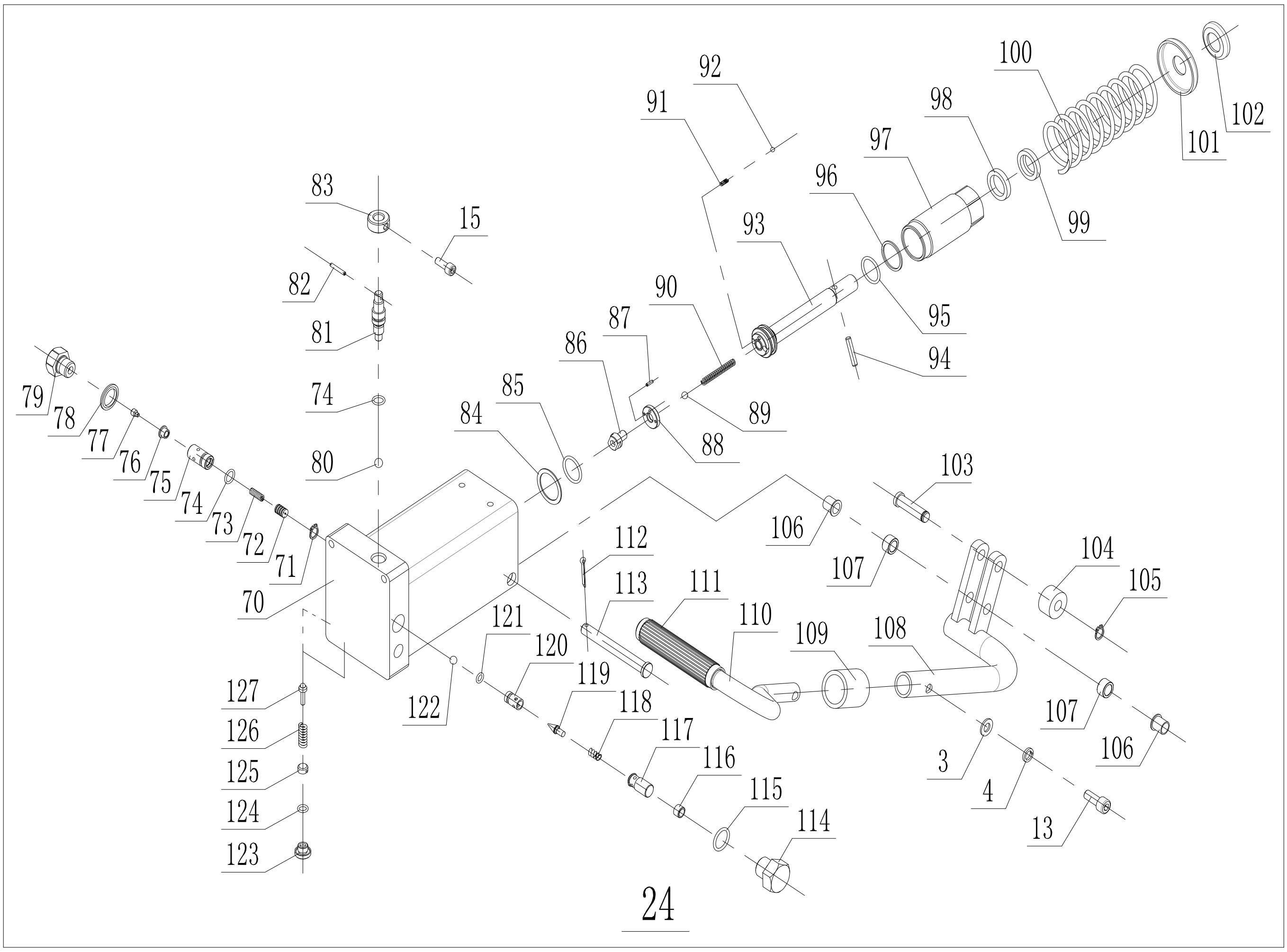
※Use of brake oil is strictly prohibited.

CART-200-LP-AS/400-LP-AS



LIFT TABLE SPARE PARTS LIST PCART-200-LP-AS/400-LP-AS

NO.	DESCRIPTION	Qty	NO.	DESCRIPTION	Qty
1.	Chassis	1	31.	O-ring D14×2.4	1
2.	Rear wheel	2	32.	High pressure hose	1
3.	Washer 8	10	33.	Bushing 1645/1650	1
4.	Spring washer 8	12	34.	Cylinder	1
5.	Hex soch screw M8×16	8	35.	Retaining ring for axle 16	4
6.	Retaining ring for axle 12	4	36.	Axis	1
7.	Front wheel	2	37.	Guide ring	1
8.	Bearing 6201-2Z	4	38.	Guide ring	1
9.	Front axle	2	39.	Seal cover d40×D48×5.5	1
10.	Hex soch screw M6×16	3	40.	Piston rod	1
11.	Spring washer 6	9	41.	Piston head pin	1
12.	Washer 6	4	42.	Bushing 1630/1640	1
13.	Hex soch screw M8×20	2	43.	Elastic cylindrical pin 6x24	1
14.	Rubber sleeve 30	2	44.	Axis	1
15.	Hex soch screw M6×10	7	45.	Internal shear bar	1
16.	Limit ring	1	46.	Bushing 1210/1410	4
17.	Pressure relief connecting rod	1	47.	Pin shaft	4
18.	Handle	1	48.	Lifting block	1
19.	Rubber sleeve D23xd13x12	1	49.	Axis	2
20.	Nut M12	1	50.	Bushing 1615/1618	2
21.	Spring washer 12	1	51.	Bearing 6202	4
22.	Handle plate	1	52.	Circlip 12	4
23.	Hex soch screw M6×20	2	53.	Hex screw M8×20	2
24.	Oil pump assembly	1	54.	Large washer	2
25.	Suction pipe d6×D8	1	55.	Central axis	1
26.	Seal ring d10.37×D15.88×2.03	8	56.	Bushing 14100/16100	2
27.	High pressure joint	4	57.	Table	1
28.	Tubing joint	2	58.	Washer 12	4
29.	Storage tank	1	59.	Internal shear assembly	1
30.	Screw plug	1	60.	Axis of rotation	1



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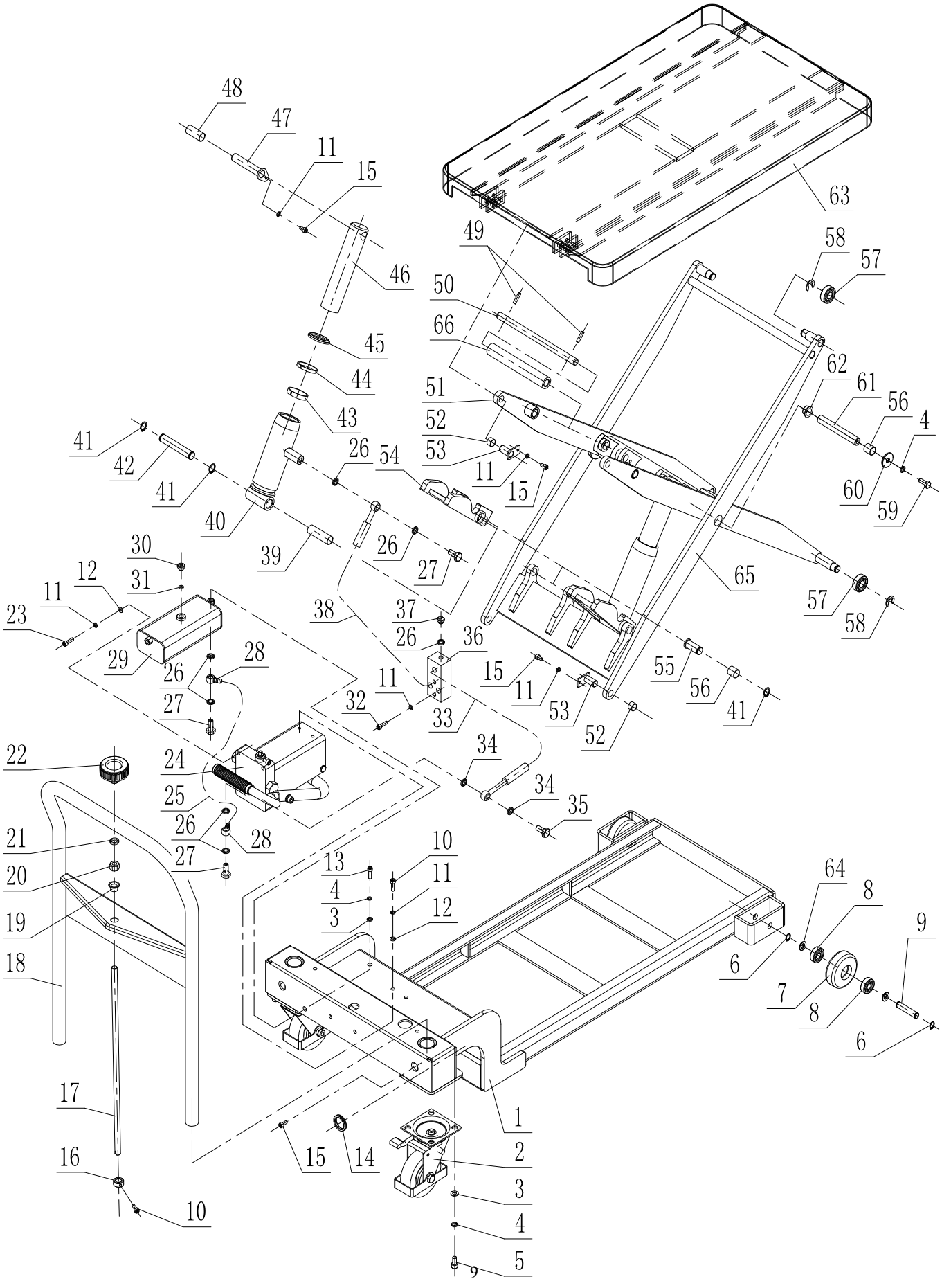
LIFT TABLE SPARE PARTS LIST

NO.	DESCRIPTION	Qty	NO.	DESCRIPTION	Qty
70	Adjust casing seat	1	99	DH16 d16×D24×4.5	1
71	Wire retainer 8	1	100	Return spring	1
72	Speed regulating valve element	1	101	Spring seat	1
73	Regulating speed spring casing	1	102	Spring guard	1
74	O-ring d10×1.8	2	103	Pin shaft	1
75	Spool	1	104	Roller	1
76	Head	1	105	Wire retainer 10	1
77	Screw	1	106	Bushing 10120	2
78	Seal ring d16.7×D24×1.5	1	107	Spacer sleeve	2
79	Screw plug	1	108	Connecting rod	1
80	Steel ball 8	1	109	Cushion	1
81	Release lever	1	110	Pedal lever	1
82	Elastic cylindrical pin 3x20	1	111	Pedal cover	1
83	Positioning ring	1	112	Split pin 3.2×20	1
84	Nylon washer	1	113	Pin axle	1
85	O-ring d33.5×2.65	1	114	Screw sleeve	1
86	Screw plug	1	115	O-ring d22×2.4	1
87	Spring pin 2.5×8	1	116	Adjusting sleeve	1
88	Spring seat	1	117	Spring seat	1
89	Steel ball 6	1	118	Spring	1
90	Large spring	1	119	Poppet valve	1
91	Small spring	2	120	Valve sleeve	1
92	Steel ball 4	2	121	O-ring d6.9×1.8	1
93	Pump plunger	1	122	Steel ball 7	1
94	Spring pin B5×26	1	123	Oil filling plug	1
95	O-ring D28×2.4	1	124	O-ring d14×2.4	1
96	Retaining ring	1	125	Screw plug	1
97	Pump body for plunger	1	126	Spring	1
98	UHS16 d16×D24×5	1	127	Spring base	1

CART-900-LP-AS



LIFT TABLE SPARE PARTS LIST PCART-900-LP-AS

NO.	DESCRIPTION	Qty	NO.	DESCRIPTION	Qty
1.	Chassis	1	34.	Seal ring d16.51×D25.4×2.03	4
2.	Rear wheel	2	35.	High pressure joint	2
3.	Washer 8	10	36.	Oil distribution valve block	1
4.	Spring washer 8	12	37.	Screw plug	1
5.	Hex soch screw M8×16	8	38.	High pressure hose	2
6.	Retaining ring for axle 12	4	39.	Bushing 1650	2
7.	Front wheel	2	40.	Cylinder	2
8.	Bearing 6201-2Z	4	41.	Retaining ring for axle 16	6
9.	Front axle	2	42.	Axis	2
10.	Hex soch screw M6×16	3	43.	Guide ring	2
11.	Spring washer 6	12	44.	Guide ring	2
12.	Washer 6	4	45.	Seal cover d40×D48×5.5	2
13.	Hex soch screw M8×20	2	46.	Piston rod	2
14.	Rubber sleeve 40	2	47.	Piston head pin	2
15.	Hex soch screw M6×10	8	48.	Bushing 1640	2
16.	Limit ring	1	49.	Elastic cylindrical pin 6x24	2
17.	Pressure relief connecting rod	1	50.	Axis	1
18.	Handle	1	51.	Internal shear bar	1
19.	Rubber sleeve D23xd13x12	1	52.	Bushing 1410	4
20.	Nut M12	1	53.	Pin shaft	1
21.	Spring washer 12	1	54.	Lifting block	1
22.	Handle plate	1	55.	Axis	2
23.	Hex soch screw M6×20	2	56.	Bushing 1618	4
24.	Oil pump assembly	1	57.	Bearing 6202	4
25.	Suction pipe d8×D12	1	58.	Circlip 12	4
26.	Seal ring d10.37×D15.88×2.03	12	59.	Hex soch screw M8×20	2
27.	High pressure joint	4	60.	Large washer	2
28.	Tubing joint	2	61.	Central axis	1
29.	Storage tank	1	62.	Bushing 2012	2
30.	Screw plug	1	63.	Table	1
31.	O-ring D14×2.4	1	64.	Washer 12	4
32.	Hex soch screw M6×25	2	65.	Internal shear bar	1
33.	High pressure hose	1	66.	Axis of rotation	1

How to assemble Lift Table: CADDIE

1. Caution

Before assembling the lift table: CADDIE, read understand the following instructions.

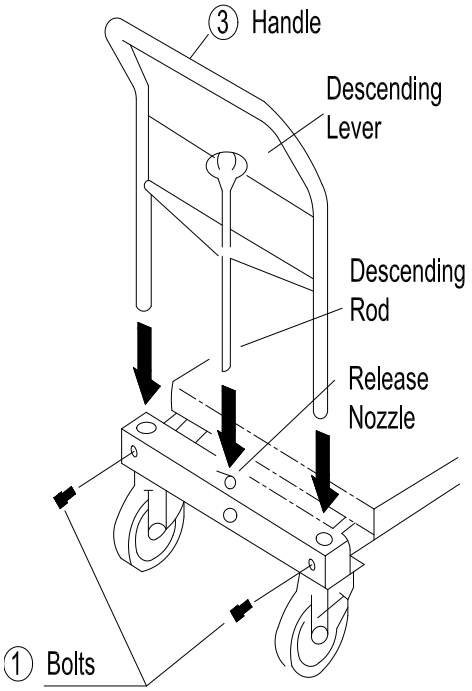
Us parts which are in the same carton with a product. Do not use the parts to other products.

2. Included Parts and Accessories

(1). Bolts 3pcs

(2). Foot Pedal 1pc

(3). Handle 1pc



3. How to Assemble the Handle and Descending Lever

(1). Slightly turn the release nozzle clockwise.

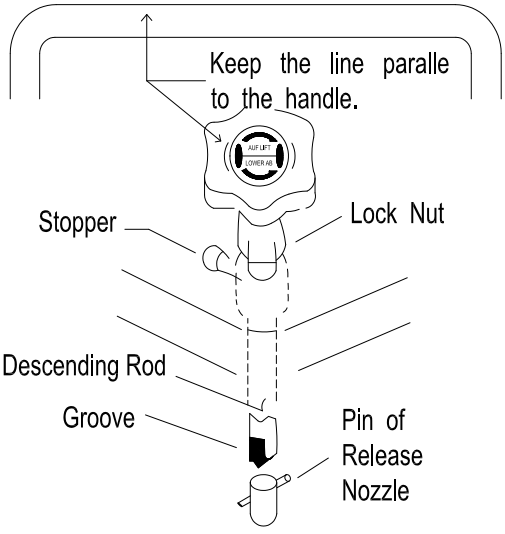
(2). Set the handle and descending lever as seen on the right drawing.

(3). Keep the line on the LIFT/LOWER label parallel to the handle and set the groove on the tip of descending lever to the pin of the release nozzle.

(4). Make sure that the handle is on the bottom of the hole, set 2 bolts and tighten to fix the handle.

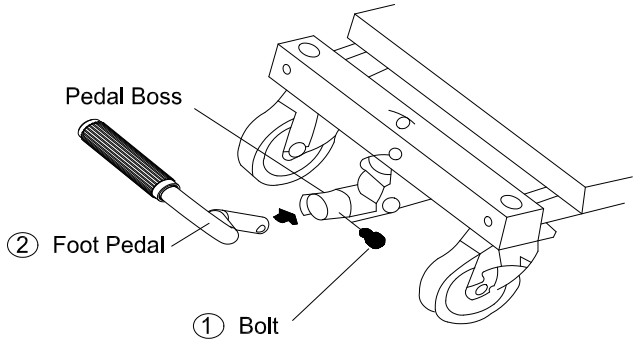
(5). Turn the descending lever counterclockwise until it stops.

(6). If the descending lever doesn't stop at the above mentioned position, reassemble from the beginning.



[CAUTION]
Do not loosen the bolts of Stopper and Lock Nut.

4. How to Assemble the Foot Pedal



(1). Insert the Foot Pedal into the Pedal Boss

(2). Tighten the Bolt to fix the Foot Pedal