

Instruction Manual

Lift Table

AS Series



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

BEFORE OPERATING THE LIFT TABLE, READ THIS MANUAL CAREFULLY AND UNDERSTAND COMPLETELY. KEEP THIS MANUAL ON FILE FOR FUTURE REFERENCE. IF THIS IS LOST, PLEASE CONTACT YOUR LOCAL SUPPLIER FOR A NEW COPY. ALSO, IF THE WARNING/CAUTION DECAL ON THE UNIT IS LOST, PLEASE CONTACT YOUR LOCAL SUPPLIER FOR A NEW DECAL.

NOTE: On this manual, WARNING means the danger which can lead to death or serious injury. CAUTION means the danger which can lead to slight injury or property damage.

1. WARNING

- 1.DO NOT put foot or hand in scissors mechanism.
- 2.DO NOT allow other person to stand in front of or behind lift table when it is moving.
- 3.DO NOT move lift table when table is in raised position. Load could fall down.
- 4.DO NOT enter under table.
- 5.DO NOT overload lift table.
- 6.DO NOT put foot in front of rolling wheels. Injury could result.
- 7.WATCH difference and hardness of floor level when moving lift table. Load could fall down.
- 8.DO NOT use lift table on slope or inclined surface, lift table may become uncontrollable and create danger.
- 9.DO NOT lift people. People could fall down and suffer severe injury.

2. CAUTION

1. Read this operation manual carefully and understand completely operating lift table. Improper operation could create danger.
2. This lift table is a movable lifter designed to lift or lower rated load on table. DO NOT use lift table for other purpose than its intended use.
3. DO NOT allow person to operate lift table who does not understand its operation.
4. DO NOT lower table too fast. Load could fall down and create danger.
5. KEEP watching the condition of load. Stop operating lift table if load becomes unstable.
6. Brake lift table when sliding loads are off table.
7. DO NOT side or end load. Load must be distributed on at least 80%of table area.
8. DO NOT use lift table with unstable, unbalanced loosely stacked load.
9. Practice maintenance work according to service instructions.
10. DO NOT modify lift table without manufacturer's written consent.
11. REMOVE load from table and use safety stopper to prevent table from lowering when servicing lift table.
12. This lift table is not designed to be water resistant. Use lift table under dry condition.

3. NAME OF PARTS

- AS30,50(MH-B30 50)



4. DAILY INSPECTION

Daily inspection is effective to find the malfunction or fault on lift table. Check lift table on the following points before operation.

CAUTION
DO NOT use lift table if any malfunction or fault is found.
(1) Check for scratch, bending or cracking on the lift table.
(2) Check if there is any oil leakage from the cylinder.
(3) Check the vertical creep of the table.
(4) Check the smooth movement of the wheel.
(5) Check the function of brake.
(6) Check if all the bolt and nuts are tightened firmly.

5. OPERATING LIFTTABLE

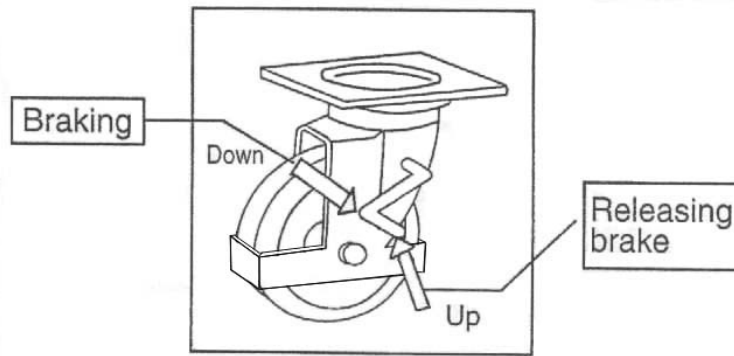
5-1. How to use the brake.

CAUTION
Brake lift table when not moving it in order to prevent sudden movement.

The brake is equipped with the swivel caster on the right side.

(1) Braking the wheel, press the brake pedal.

(2) Releasing the brake, lift up the brake pedal.



5-2 Lifting the table

WARNING

1. DO NOT overload lift table, stay within its rated capacity.
2. DO NOT side end load must be distributed on at least 80% of table area.

Press the lifting pedal several times the until the table reaches the desired position.

The table does not elevate after reaching the highest position even if the lifting pedal is pressed.

The table lowers slightly after reaching the highest position.

NOTE:

The hydraulic cylinder is designed to hold table. As is the nature of the hydraulic system, table lowers very slowly over and extended period of time, Please note the table does not stay at the same position ionindefinitely.

5-3. Lowering table

WARNING

DO NOT put foot or hand in scissors mechanism.

Pull the lowering down and table lowers.

6. Specifications

Model	Capa city (kg)	Table (mm)	Table Height (mm)	Stroke	L×W×H (mm)	Pedal to top. (approx.times)	Wheel (mm)	Weight (kg)
AS30(MH-B30)	300	852×502	330—910	580	1050×502×1100	≤30	125	74
AS50(MH-B50)	500	852×502	390—910	520	1050×502×1100	≤40	125	81

7. Service instruction

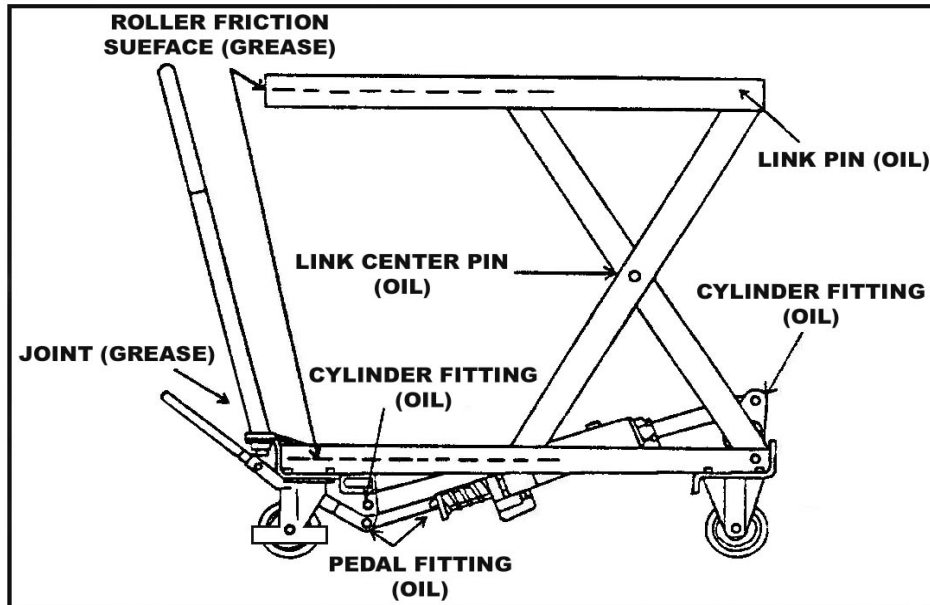
7-1. Lubricate each point described below every month:

7-2.Change hydraulic oil every 12 months.

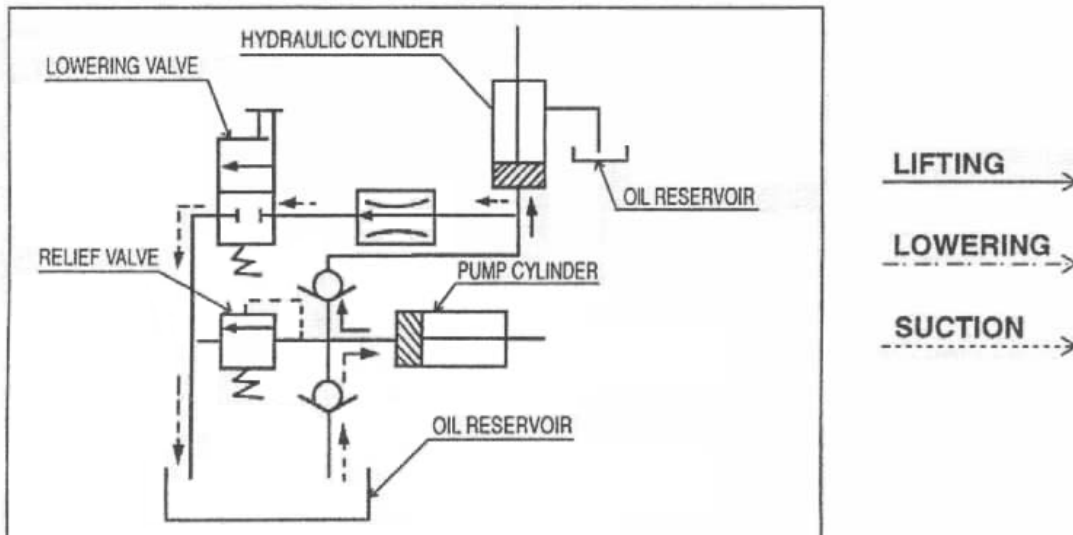
Lubricating Points

- (1) Fitting of cylinder.....Oil
- (3) Link PinOil
- (5) Link center pin.....Oil
- (7) Grease nipple.....Grease

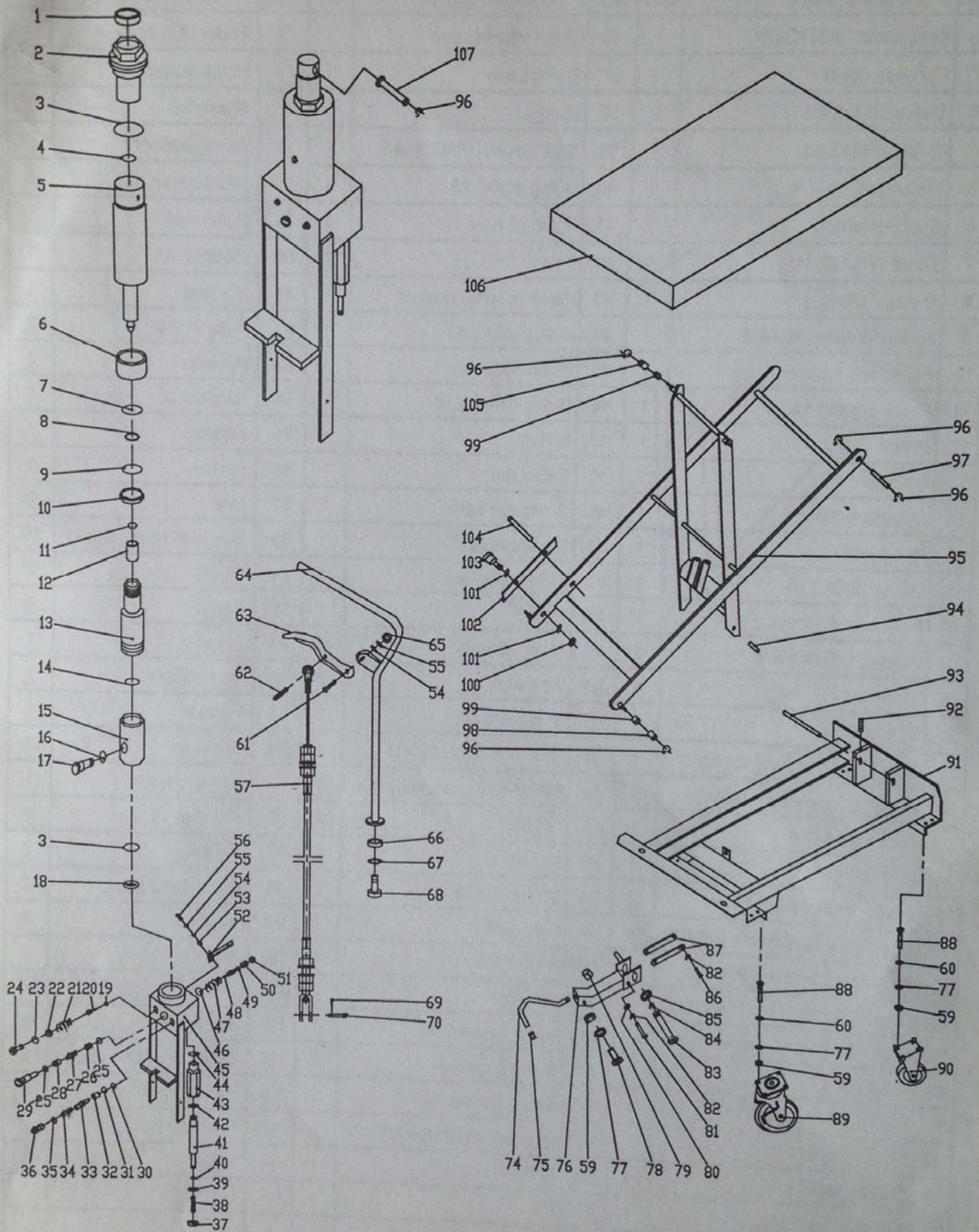
- (2) Roller friction surface.....Grease
- (4) Pedal fitting point.....Oil
- (6) Joint.....Grease
- (8) Hydraulic circuit



8. Hydraulic Circuit



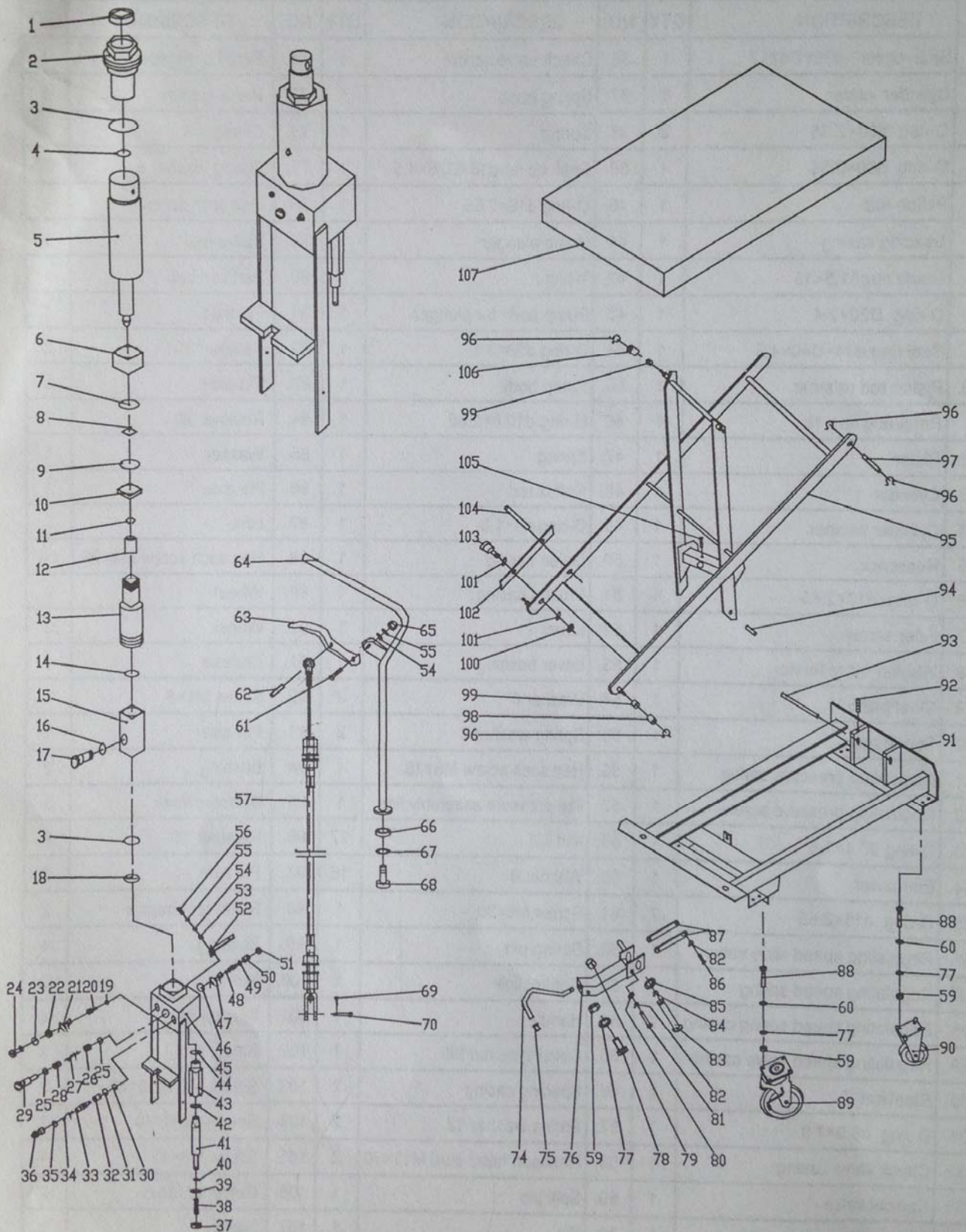
AS30



LIFT TABLE SPARE PARTS AS30

NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1.	Seal cover d30×D42×7	37.	Spring base	74.	Pedal bent pipe
2.	Cylinder cover	38.	Spring	75.	Pedal rubber
3.	O-ring d63×2.65	39.	Seal cover d18×D25×4.5	76.	Shake link
4.	O-ring d30×3.55	40.	O-ring d18×2.65	77.	Spring washer 8
5.	Piston rod	41.	Pump plunger	78.	Hex soch screw
6.	Spacing casing	42.	Y-ring	79.	Buffer mat
7.	Guide ring δ 1.5×15	43.	Pump body for plunger	80.	Partition set
8.	O-ring D20×2.4	44.	O-ring d28×3.1	81.	Pin axle
9.	Seal ring d34×D40×4.5	45.	Pump body	82.	Retainer 10
10.	Piston rod retainer	46.	O-ring d10.6×2.65	83.	Pin axle
11.	Retaining ring 18	47.	Spring	84.	Retainer 20
12.	Piston	48.	Reflux rod	85.	Washer
13.	Cylinder	49.	O-ring d4×1.8	86.	Pin axle
14.	Cylinder washer	50.	Guide casing	87.	Link
15.	Reservior	51.	Protect casing	88.	Hex soch screw M8×25
16.	O-ring d10×2.65	52.	Lever	89.	Wheel
17.	Filler screw	53.	Lever bushing	90.	Wheel
18.	Washer for reservior	54.	Washer 6	91.	Chassis
19.	Steel ball 5	55.	Spring washer 6	92.	Screw M6×8
20.	Spring base	56.	Hex soch screw M6×16	93.	Pin axle
21.	Regulating pressure spring	57.	Put pressure assembly line	94.	Bushing
22.	Regulating pressure screw	59.	Nut M8	95.	Scissors lever
23.	O-ring d7.1×1.8	60.	Washer 8	96.	Retainer 16
24.	End cover	61.	Screw M6×30	97.	Pin axle
25.	O-ring d15×2.65	62.	Spring pin	98.	Roller for chassis
26.	Regulating speed slide valve	63.	Control link	99.	Bushing
27.	Regulating speed spring	64.	Handle	100.	Nut M10
28.	Regulating speed spring casing	65.	Cover type nut M6	101.	Washer 10
29.	Regulating speed valve casing	66.	Spacing casing	102.	Safety rod
30.	Steel ball 7	67.	Spring washer 12	103.	Screw bolt M10×40
31.	O-ring d6.9×1.8	68.	Hexagon head stud M12×30	104.	Spring pin 8×30
32.	Check valve casing	69.	Split pin	105.	Roller for table
33.	Conical valve	70.	Pin	106.	Table
34.	Check valve spring			107.	Pin axle
35.	O-ring d10×1.8				
36.	Check valve screw				

AS50



LIFT TABLE SPARE PARTS LIST AS50

NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1.	Seal cover d30×D42×7	37.	Spring base	74.	Pedal bent pipe
2.	Cylinder cover	38.	Spring	75.	Pedal rubber
3.	O-ring d63×2.65	39.	Seal cover d18×D25×4.5	76.	Shake link
4.	O-ring d30×3.55	40.	O-ring d18×2.65	77.	Spring washer 8
5.	Piston rod	41.	Pump plunger	78.	Hex soch screw
6.	Spacing casing	42.	Y-ring	79.	Buffer mat
7.	Guide ring δ 1.5×15	43.	Pump body for plunger	80.	Partition set
8.	O-ring D20×2.4	44.	O-ring d28×3.1	81.	Pin axle
9.	Seal ring d34×D40×4.5	45.	Pump body	82.	Retainer 10
10.	Piston rod retainer	46.	O-ring d10.6×2.65	83.	Pin axle
11.	Retaining ring 18	47.	Spring	84.	Retainer 20
12.	Piston	48.	Reflux rod	85.	Washer
13.	Cylinder	49.	O-ring d4×1.8	86.	Pin axle
14.	Cylinder washer	50.	Guide casing	87.	Link
15.	Reservior	51.	Protect casing	88.	Hex soch screw M8×25
16.	O-ring d10×2.65	52.	Lever	89.	Wheel
17.	Filler screw	53.	Lever bushing	90.	Wheel
18.	Washer for reservior	54.	Washer 6	91.	Chassis
19.	Steel ball 5	55.	Spring washer 6	92.	Screw M6×8
20.	Spring base	56.	Hex soch screw M6×16	93.	Pin axle
21.	Regulating pressure spring	57.	Put pressure assembly line	94.	Bushing
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25.	O-ring d15×2.65	62.	Spring pin	98.	Roller for chassis
26.	Regulating speed slide valve	63.	Control link	99.	Bushing
27.	Regulating speed spring	64.	Handle	100.	Nut M10
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32.	Check valve casing	69.	Split pin	105.	Screw M8×12
33.	Conical valve	70.	Pin	106.	Roller for table
34.	Check valve spring			107.	Table
35.	O-ring d10×1.8				
36.	Check valve screw				