

Instruction Manual

HEX300 HEX500



Note: Owner/Operator must read and understand this instruction

manual before using the table.

Lift Table HEX Series

HEX300, HEX500

Operation and Service Manual

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.

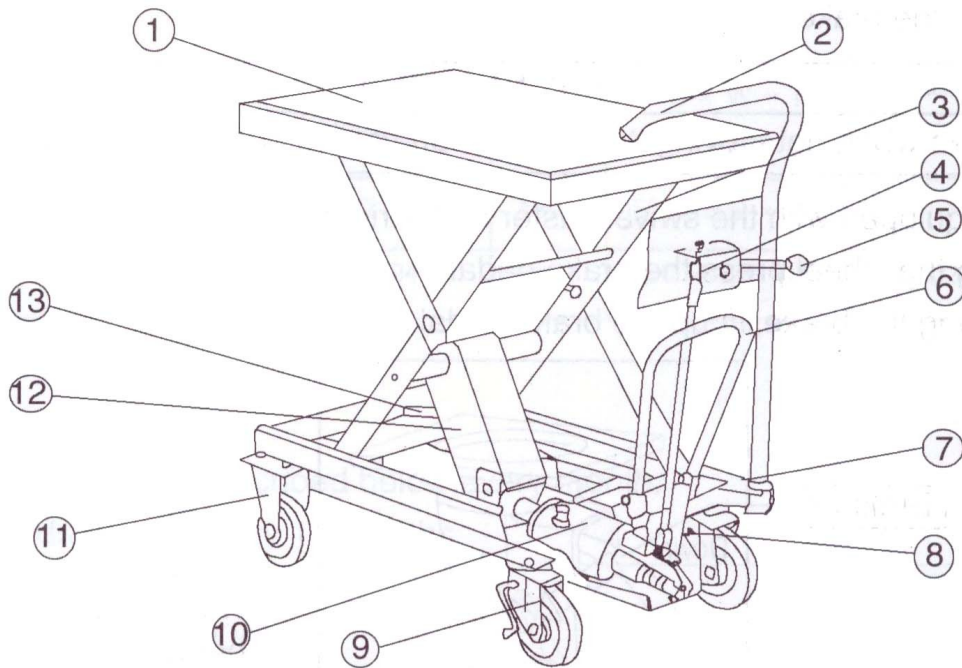
1. WARNINGS

1. DO NOT put foot or hand in scissors mechanism.
2. DO NOT allow other person to stand in front of 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 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. CAUTIONS

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. DO NOT side or end load. Load must be distributed on at least 80% of table area.
7. DO NOT use lift table with unstable, unbalanced loosely stacked load.
8. Practice maintenance work according to service instructions.
9. DO NOT modify lift table without manufacturer's written consent.
10. REMOVE load from table and use safety stopper to prevent table from lowering when servicing lift table.
11. This lift table is not designed to be water resistant. Use lift table under dry condition.

3. HEX300 HEX500



- | | |
|----------------------------|-----------------------------------|
| 1. Table | 2. Handle |
| 3. Scissors Lever Assembly | 4. Discharge Valve Lever Assembly |
| 5. Control Lever | 6. Pedal Bent Pipe |
| 7. Chassis | 8. Lifting Crank |
| 9. Two-way braking wheels | 10. Hydraulic System |
| 11. Front Wheels | 12. Connecting Lever Assembly |
| 13. Safety Rod | |

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 wheels.
- (5) Check the function of brake.
- (6) Check if all the bolts and nuts are tightened firmly.

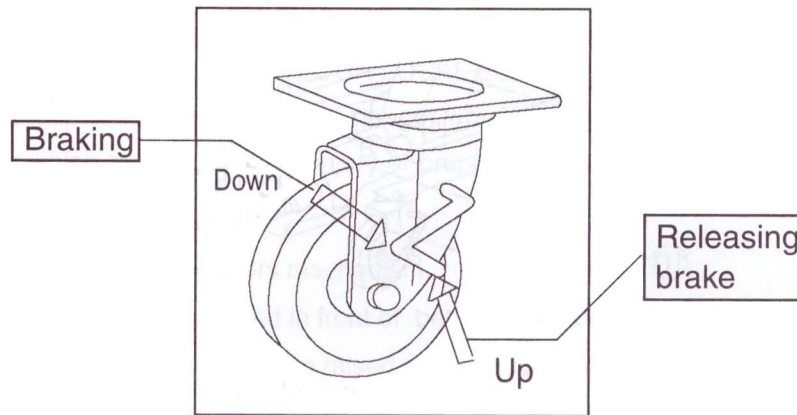
5. OPERATING LIFT TABLE

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 or end load must be distributed on at least 80% of table area.

Press the lifting pedal several times 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.

MAXIMUM CAPACITY OF TABLE

HEX300: 300KG

HEX500: 500KG

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 indefinitely.

5.3 Lowering table

WARNING: DO NOT put foot or hand in scissors mechanism.

Pull the lowering lever up and table lowers.

6. Specifications

Model	Capacity (Kg)	Table (mm)	Table Height (mm)	Stroke (mm)	L×W×H (mm)	Pedaling to top	Wheel (mm)	Weight (Kg)
HEX300	300	500×755	280~810	530	960×500×900	16	125	65
HEX500	500	615×920	300~940	640	1080×600×950	25	125	118

7. Service Instructions

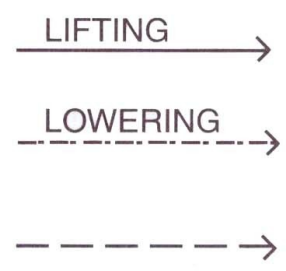
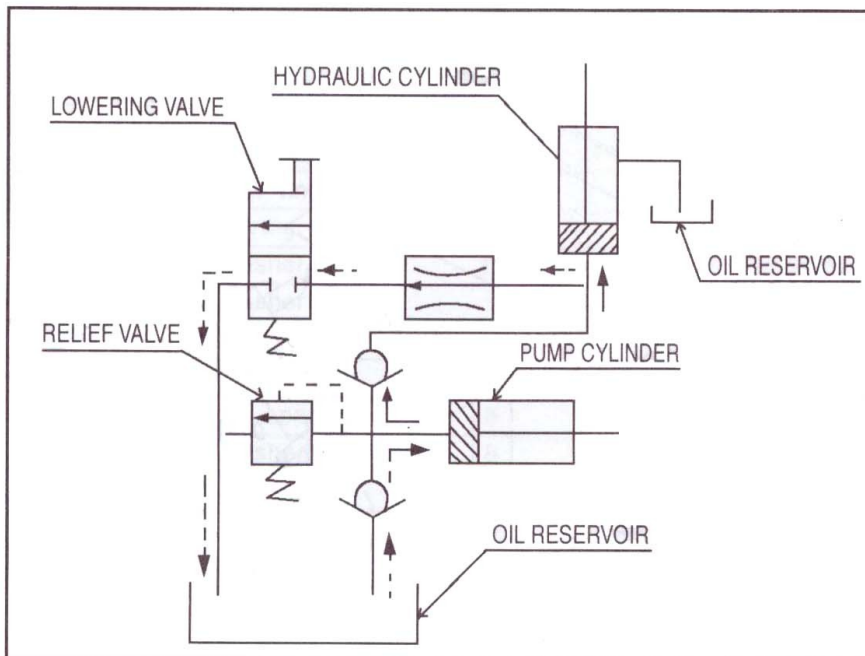
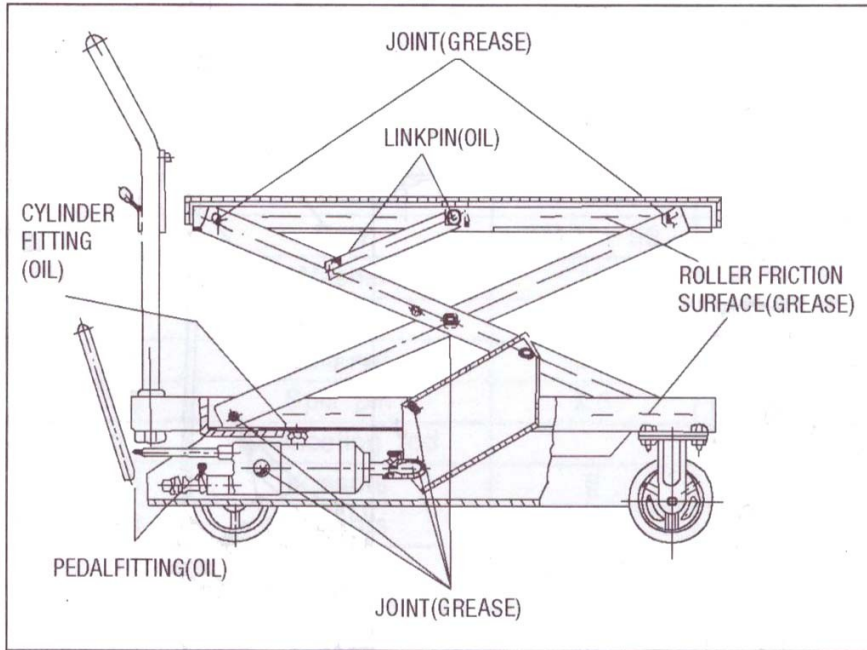
7.1 Lubricate each point described below every month

7.2 Change hydraulic oil every 12 months.

Lubricating Points

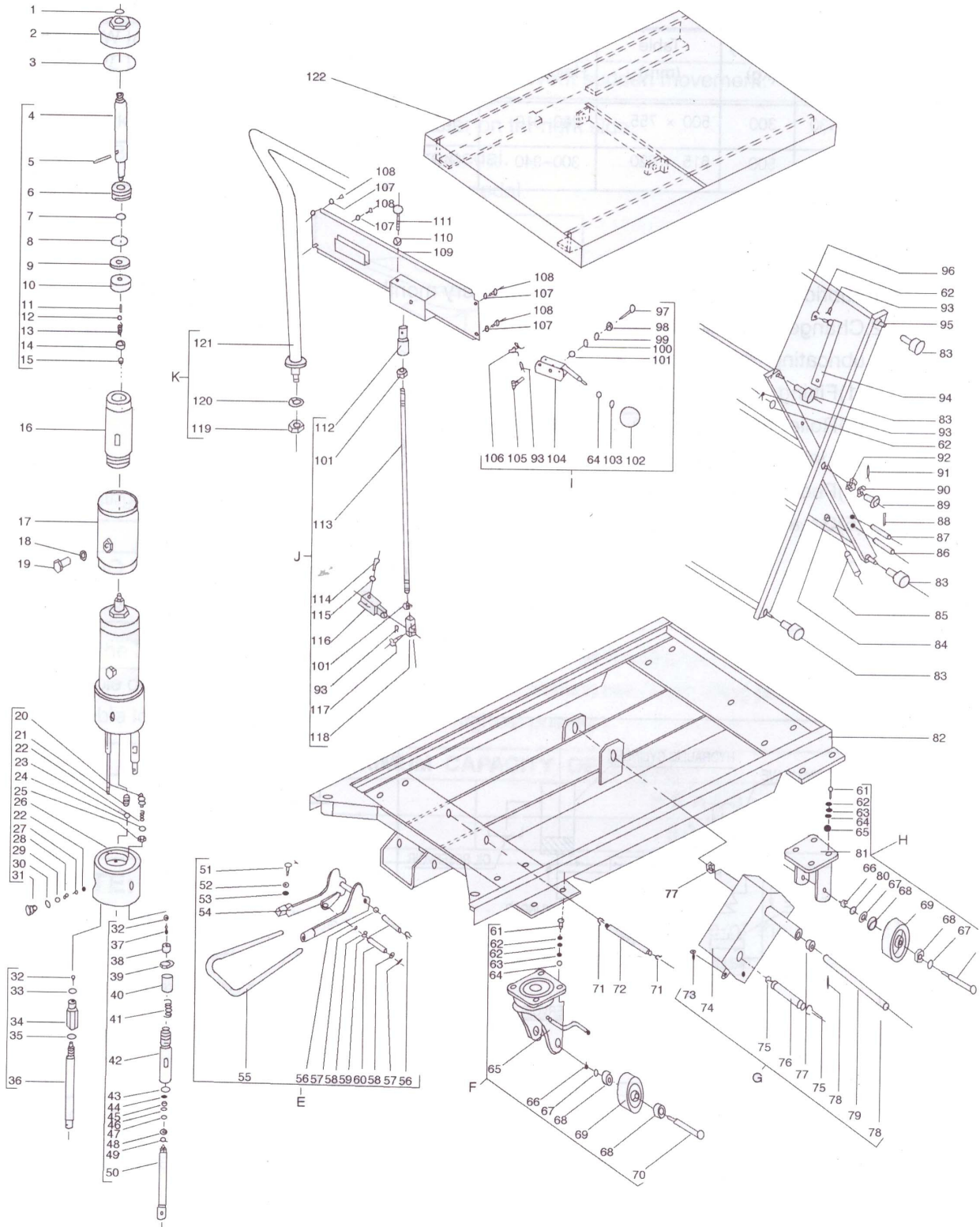
(1) Fitting of cylinder.....Oil

- (2) Roller friction surface.....Grease
- (3) Link pin.....Oil
- (4) Pedal fitting point.....Oil
- (5) Grease nipple.....Grease



HEX300

LIFT TABLE



Part List of Model HEX300

NO.	Description	Spec.	NO.	Description	Spec.
1	O-ring	Ø32×3.5	64	Nut	M10
2	Cylinder cap		65	Rear wheel frame	
3	Sealing washer	Ø84	66	Nut	M12
4	Piston rod		67	Washer	12
5	Steel pin	Ø6×35	68	Ball bearing	
6	Piston		69	Wheel	
7	O-ring	d16×2.4	70	Bolt	M12×80
8	O-ring	d30×3.55	71	Retaining ring	28
9	Sealing ring		72	Pin spindle	
10	Buffer ring		73	Bolt	M8×10
11	Steel pin	3×20	74	Connecting rod	
12	Steel ball	6.5	75	Retaining ring	24
13	Spring	d6.3×30	76	Shaft	
14	Nut	M14×1.5	77	Ball bearing	60203
15	Steel pin	4×35	78	Elastic pin	3×25
16	Cylinder		79	Spindle	
17	Tank		80	Spring washer	
18	O-ring	d13×2.4	81	Front wheel	
19	Oil plug		82	Frame	
20	Damping ring		83	Pulley	
21	Screw	M8	84	Nut	M10
22	Steel ball	6.5	85	Restricting pin	
23	Spring	d6×10	86	Elastic pin	8×40
24	O-ring	d12×1.9	87	Pin spindle	
25	Nut	M3	88	Elastic pin	4×30
26	Cylinder		89	Bolt	M12×50
27	Valve inside		90	Washer	12
28	Spring	d10×13	91	Split pin	3
29	Plug	M12×1.25	92	Nut	M12
30	O-ring	d11×2.4	93	Split pin	2.5
31	Plug	M12	94	Connecting rod	
32	Steel ball	9.5	95	Scissors	II
33	Spacer	20	96	Scissors	I
34	Control valve body		97	Bolt	M8×50
35	O-ring	d15×3.1	98	Sleeve	
36	Spindle		99	Washer	8
37	Spring	d8.2×12	100	Spacer	
38	Spacer		101	Nut	M8
40	Sleeve		102	Ball	
41	Spring	d36×105	103	Nut	M10
42	Pump body		104	Handle	
43	O-ring	d14×2.4	105	Pin	

45	Buffer ring		106	Torsion spring	
46	O-ring	d10×2.4	107	Washer	
47	Washer	16	108	Screw	M6×16
48	Washer		109	Panel	
50	Pump piston		110	Nut	M6
51	Bolt	M8×20	111	Bolt	M6×30
52	Elastic spacer	8	112	Connecting rod	
53	Washer	8	113	Rod	M8×450
54	Lifting crank		114	Screw	M6×16
55	Pump hose		115	Spring washer	6
56	Retaining ring	14	116	Clevis pin	II
57	Split pin	2.5	117	Pin spindle	
58	Washer	10	118	Clevis pin	I
59	Shaft		119	Nut	M20
60	Shaft		120	Washer	20
61	Bolt	M10×15	121	Handle	
62	Washer	10	122	Table	
63	Spring washer	10			

LIFT TABLE SPARE PARTS LIST HEX50

NO	DESCRIPTION	Spec	Qty	NO	DESCRIPTION	Spec	Qty
1	Nut	M20×1.5	2	56	Retaining ring	16	1
2	Washer	20	2	57	Cylinder		1
3	Handle		1	58	Washer for cylinder		1
4	Joint board		1	59	Reservior		1
5	Nut	M6	1	60	O-ring 16×2.4	16×2.4	1
6	Bolt		1	61	Filler screw		1
7	Bolt		4	62	Rubber plank		1
8	Washer	6	4	63	Cover plank		1
9	Locknut	M8	1	64	Screw		1
10	Washer	8	21	65	O-ring	15×2.4	1
11	Sleeve		1	66	Bolt		1
12	Torsion spring		1	67	Spring		1
13	Washer		1	68	Spring seat		1
14	Pin axle		2	69	Steel ball	φ6.5	2
15	Split pin	2.5×12	2	70	Pin axle		1
16	Bolt	M8×50	1	71	O-ring 19×2.4	19×2.4	1
17	Handle knob		1	72	Control valve		1
18	Washer	10	9	73	Washer		1
19	Nut	M10	1	74	Steel ball	φ8	2
20	Handle shank		1	75	Spring		1
21	Connecting rod		1	76	Pump bass		1
22	Nut	M8	20	77	Nut	M3	1
23	Rod		1	78	Prevent burst valve		1
24	U fork		1	79	O-ring	12×1.9	1
25	Card hoop		1	80	Spring		1
26	Hex socket screw bolt	M8×20	17	81	Rod		1
27	Table		1	82	Pump plunger		1
28	Roller		8	83	Y-ring	16×8×6	1
29	Internal scissors		1	84	Washer		1
30	Pin axle		2	85	Washer		1
31	Washer	16	2	86	Spring		1
32	Slotting nut	M16×1.5	2	87	Bushing		1
33	External scissors		1	88	O-ring 20×2.4	20×2.4	1
34	Connecting rod		2	89	Pump body for plunger		1
35	Split pin	2.5×22	4	90	Nut		1
36	Split pin	3.2×35	2	91	Washer		1
37	Spring pin	8×30	2	92	Spring		1
38	Locknut	M10	2	93	Mesh		1
39	Safety rod		2	94	Bolt		1
40	Spring pin	3×25	2	95	Pin axle		1
41	Pin axle		1	96	Retaining ring	28	2
42	Bearing	60203	2	97	Hex headed screw bolt	M8×20	3
43	Connector		1	98	Spring washer	8	18
44	Retaining ring	24	2	99	Pedal pair		1
45	Hex headed screw bolt	M8×10	1	100	Pedal holder		1
46	O-ring	35×3.5	1	101	Retaining ring	14	2
47	Cylinder cover		1	102	Split pin	1.5×22	2
48	Washer for reservior		2	103	Pin axle		1
49	Piston rod		1	104	Pin axle		1
50	Spacing casing		1	105	Spring		1
51	O-ring	12.5×2.65	1	106	Rear wheel		2
52	Guideing δ2×15	δ2×15	1	107	Pin axle		1
53	Piston		1	108	Front wheel		2
54	Seal ring	39×45×4.5	1	109	Chassis		1
55	Retainer		1				

HEX50

5. OPERATING LIFT TABLE

5-1 How to use the brake.

5.2 Specifications

