Instruction Manual Low Profile Lift Table



HW1001 1002 1003 1004 1005 1006 HW2001 2002 2003 2004 2005 2006 HW4001 4002 4003 4004 4005 4006

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Note: Owner/Operator must read and understand this instruction Manual before using the low profile lift table THANK YOU VERY MUCH FOR SELECTING OUR PRODUCT. THIS INSTRUCTION MANUAL DESCRIBES CORRECT OPERATING METHOD TO ENSURE PROLONGED SERVICE LIFE. PLEASE READ AND COMPLETELY UNDERSTAND THIS MANUAL BEFORE OPERATING THE LOW PROFILE LIFT TABLE. ALWAYS KEEP THIS MANUAL AT AN APPROPRIATE PLACE. IF THE MANUAL OR WARNING DECAL IS MISSING, PLEASE CONTACT WITH DEALER.

Note: This Manual has been prepared for skilled and competent personal. It provides instructions for using the product correctly and parts list. This Manual cannot replace the professional skills and expertise of the user.

1.



WARNING! If operating the lift table improperly, a person may be seriously injured. Therefore, operate properly according to the following instruction

 \diamond Read & thoroughly understand the Instruction Manual completely before using. Follow all safety instructions strictly.

 \diamond It is necessary to check all safety devices before operation.

 $\diamondsuit\,$ Make sure that there are no obstacles in the working area.

 \diamondsuit Do not put foot or hand in scissors mechanism or through frame.

 $\diamond\,$ Screw the lifting eyes on the base frame before working on the lift table.

 \diamond Do not overload the lift table. Load should be distributed on the table according to relevant load distribution chart.

 $\diamond\,$ Pay attention if local voltage and frequency is as same as the input specification of the lift table.

 \diamond Use the lift table on flat and solid ground.

◇ All the electrical connection and disconnection operations must be carried out by skilled and competent personal.

 $\diamond\,$ While operation, it is forbidden to contact the moving parts of the lift table.

 $\diamond\,$ While the lift table moving, it is forbidden to adjust or to move the load.

 $\diamond\,$ It is forbidden to lift the load, which perhaps does harm to a person or other object.

 \diamondsuit It is forbidden to operate the lift table while a person is under the table.

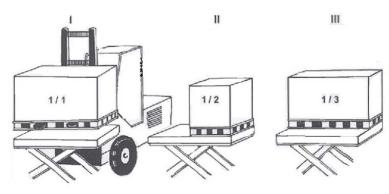
 \diamond Do not adjust the safety valve of hydraulic power pack.

 \diamond It is forbidden to operate the lift table even if there is small structure distortion.

 \diamond Do not use in an explosive or flammable place.

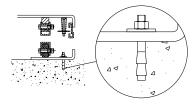
Note !Maximum load refers to the load being uniformly distributed over the entire platform area.

- In accordance with **EN1570**,Safety Requirements for Lifting Tables, the basic requirements are:
- I 100% of the rated load(maximum load) uniformly distributed over the entire platform area.
- II or 50% of the rated load(maximum load) uniformly distributed over half the length of the platform.
- III or 33% of the rated load(maximum load) uniformly distributed over half the width of the platform.



2. INSTALLATION OF LIFT TABLE ON THE FLOOR/GROUND OR IN A PIT

Double or triple vertical scissors tables must be fixed to the floor/ground



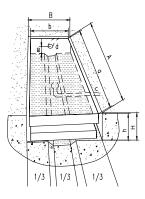
by means of expander bolts or similar,

We also recommend that all other lift

table types, with the exception of mobile units, are securely affixed on the floor to Prevent unintentional movement

Mechanical/electrical installation

- 1. The base frame of the lift table is not as standard self -supporting . It is important that the flooring is flat and stable and that the installation area or pit, when necessary, is well drained.
- 2. Utilize a lifting sling through the scissor package. Tie the base frame to the platform or the scissor mechanism. Locate the table into the desired position. Turn the fixed arm end to the side where the load will be moved on or off at upper level. See picture below.
- 3. Check the operation of the safety frame on all sides.
- 4. The control device should be positioned so that the operator has a clear view over the lift table and the load at all times when the lift is operated.



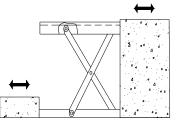
Pit drawing

- A. Pit length=a+30mm
- B. Pit width=b+30mm
- H. Pit depth=closed
- height of table+5mm
- a. Platform length
- b. Platform width
- c. Drainage hole (when required)

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- d. Tube for external cables and hoses Φ 60mm
- h. Lowest height

Loading/unloading at the fixed arm end





3.

CAUTION! If operating the lift table improperly, a person may be injured. Therefore, operate properly according to the following instruction.

 \diamond The lift table is a movable lifter designed to lift or lower rated load. Do not use it for other purpose.

 $\diamond\,$ Do not allow a person to operate the lift table, who does not understand its operation.

 \diamondsuit It is forbidden to change the lift table without manufacturer's written admission.

 \diamond It is necessary to use the spare parts designated by manufacturer.

 $\diamond\,$ Make sure to keep a distance between the table and ambient objects enough to operate the lift table safely.

 \diamond Keep the hydraulic system under clean and safe condition.

 \diamond The hydraulic power pack features an electric lowering control. The coils must be fed with the required voltage as described on those coils. The power supply voltage should not exceed $\pm 10\%$ of the rated required voltage.

 $\diamond\,$ Always do maintenance and routine check while the lift table is unloaded.

 \diamond The lift table is not waterproof and should be used in a dry environment.

4. DAILY INSPECTION

Daily inspection is effective to find the malfunction or fault on the lift table. Before operation, check the lift table according to the following points.



CAUTION! <u>Do not use the lift table if any</u> malfunction or fault is found.

- ♦ Check all the terms of WARNING and CAUTION.
- \diamond Check scratches, bending or crack on the lift table.



- \diamond Check smooth movement of the table.
- ♦ Check if there is any hydraulic oil leakage.
- \diamond Check the vertical creep of the table.
- \diamond Check if all the bolts and nuts are firmly tightened.

5. OPERATING THE LIFT TABLE

LOADING

The maximum capacity of the lift table is 1000kg. Load should be distributed on the lift table equably.

■ Lifting the Table



CAUTION! <u>Do not overload the lift table.</u> <u>Ensure the balance of loading. Do not</u> <u>load partially or concentrically.</u>

 \diamond Screw and loose emergency stop switch.

 \diamondsuit Push the UP button and power pack starts to work to lift the load.

- ♦ Loose the UP button and power pack stops working.
- LOWERING THE TABLE



WARNING! <u>Do not put foot or hand in</u> scissors mechanism.

 \diamond Push the DOWN button and the table will lower.

 $\diamond\,$ Loose the DOWN button and the table will stop.

NOTE

 \diamond The table is equipped with an aluminum guard to avoid accidental danger.

 \diamond If aluminum guard strikes an object while the table lowers, stop operation and check the lift table. After making sure no any abnormality, strike the UP button slightly and then the electric system will function as before.

EMERGENCY STOP

There are two methods of emergency stop as follows.

 \diamond Push down the emergency stop switch and the movement of table stops.

 Strike aluminum guard upward and the movement of table also stops.

■ TRANSPORTATION

If necessary, the lift table can be transported with attached ringbolts.

◇ Pay attention to the maximum capacity of lifting equipment to be used.

- \diamond Keep the ringbolts with reasonableness.
- MOTOR WORKING TIME
- \diamond Motor hours of work in one hour less than nine minutes.

6. HYDRAULIC CIRCUIT & ELECTRIC PRINCIPLE DIAGRAM

See Figure 1 & Figure 2.

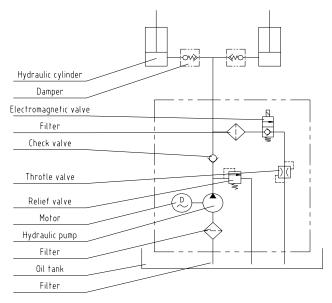
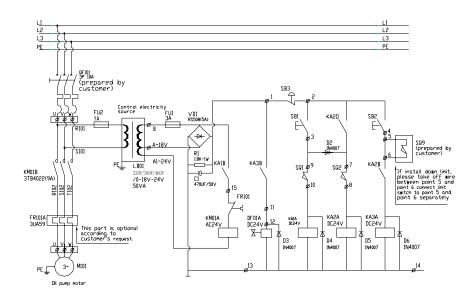
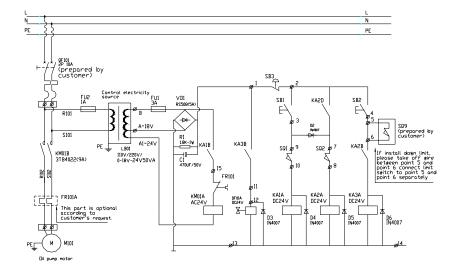


Fig. 1 Hydraulic circuit



| No | Туре | Name | Description | Qty |
|----|----------------|-------------------------------------------|----------------------------------------------------------------------------------|-----|
| 1 | LB01 | Control electricity source transformer | JBK3-220V/0-18V-24V 50VA JBK3-380V/0-18V-24V 50VA JBK3-460V/0-18V-24V 50VA | 1 |
| 2 | F1 | Fast melter | ЗА | 1 |
| 3 | F2 | Fast melter | 1A | |
| 4 | VD1 | Whole bridge silicon rectifier | RS-507 5A | 1 |
| 5 | R1 | Resistor | 1.8K/1W | 1 |
| 6 | C1 | Electrolysis capacitor | 470uF/50V | 1 |
| 7 | KM01 | AC contactor | 3TB4022 | 1 |
| 8 | KA1 KA2 KA3 | Middle relay | SRC-24VDC-SH | 3 |
| 9 | D2 D3 D4 D5 D6 | Silicon commute diode | IN4007 | 5 |
| 10 | DF01 | Oil pump solenoid valve | DC24V | 1 |
| 11 | SB3 | Emergency stop button | XB2-ES542C+ZB-BY9101 | 1 |
| 12 | SB2 | Down button | XB2-BA21C | 1 |
| 13 | SB1 | Up button | XB2-BA21C | 1 |
| 14 | SQ1 | Up limit switch | D4V-8108Z | 1 |
| 15 | SQ2 | Protection switch | | 2 |
| 16 | SQ9 | Down limit switch | D4V-8108Z(Prepared by customer) | 1 |
| 17 | M101 | Oil pump motor | | 1 |
| 18 | QF101 | Breaker | C45N 3P 25A(Prepared by customer) | 1 |
| 19 | FR101 | Hot relay (3UA59) | This pare is optional according to customer's request | 1 |



| No | Туре | Name | Description | Qty | |
|----|----------------|--------------------------------|----------------------------------------------------------|-----|--|
| 1 | LB01 | | JBK3-110V/0-18V-24V 50VA JBK3-220V/0-18V-24V 50VA | | |
| 2 | F1 | Fast melter | 3A | 1 | |
| 3 | F2 | Fast melter | 1A | | |
| 4 | VD1 | Whole bridge silicon rectifier | RS-507 5A | 1 | |
| 5 | R1 | Resistor | 1.8K/1W | 1 | |
| 6 | C1 | Electrolysis capacitor | 470uF/50V | 1 | |
| 7 | KM01 | AC contactor | 3TB4022 | 1 | |
| 8 | KA1 KA2 KA3 | Middle relay | SRC-24VDC-SH | 3 | |
| 9 | D2 D3 D4 D5 D6 | Silicon commute diode | IN4007 | 5 | |
| 10 | DF01 | Oil pump solenoid valve | DC24V | 1 | |
| 11 | SB3 | Emergency stop button | XB2-ES542C+ZB-BY9101 | 1 | |
| 12 | SB2 | Down button | XB2-BA21C | 1 | |
| 13 | SB1 | Up button | XB2-BA21C | 1 | |
| 14 | SQ1 | Up limit switch | D4V-8108Z | 1 | |
| 15 | SQ2 | Protection switch | | 2 | |
| 16 | SQ9 | Down limit switch | D4V-8108Z(Prepared by customer) | 1 | |
| 17 | M101 | Oil pump motor | | 1 | |
| 18 | QF101 | Breaker | C45N 2P 25A(Prepared by customer) | 1 | |
| 19 | FR101 | Hot relay | This pare is optional according to customer's request | 1 | |

Fig. 2 Electric Principle Diagram

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7. SERVICE INSTRUCTIONS

Do routine check of fasteners, packing and oil leaking.

Do routine check of the function of the lift table.

■ Before service the lift table, make sure to turn off the AC power supply.

■ After service it is necessary to check the function of the lift table again.

ONLY a qualified personnel can do service work.

Do routine check of the micro-switches on the safety guard.

■ Do routine check of the hydraulic system by listening its noise, touch motor's surface.

■ Caution: It is necessary to turn off the AC power supply before touch motor's surface.

■ Pay attention to clear or even replace the oil filter after operating for a long time.

Appropriate lubrication is necessary to make the lift table work easily and have a prolonged service life.

| Content | After every 500 hours' working or every 3 months later | After every 2000 hours' working or every year | | | | | |
|------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------|--|--|--|--|--|
| Check oil level of oil tank | \$ | | | | | | |
| Check the cleanliness of oil filter | ☆ | | | | | | |
| Fasten all the connecting parts again | $\stackrel{\wedge}{\sim}$ | | | | | | |
| Check wear and tear of pressure oil pipes | $\stackrel{\wedge}{\sim}$ | | | | | | |
| Check hydraulic cylinder | $\stackrel{\wedge}{\sim}$ | | | | | | |
| Fix main parts tightly again | $\stackrel{\wedge}{\sim}$ | | | | | | |
| Check the function of micro-switches | $\stackrel{\wedge}{\sim}$ | | | | | | |
| Check whole working state of the lift table | \$ | | | | | | |
| Lubricate all the joints and pivot points | $\stackrel{\wedge}{\sim}$ | | | | | | |
| Check wear and tear of all axial bushes | | ☆ | | | | | |
| Replace hydraulic oil for the first time | Accumulated wo | rking ten hours' | | | | | |
| Replace hydraulic oil | | \$ | | | | | |
| Check oil leaking | | \$ | | | | | |
| Remark: stands for proceeding the item. | | | | | | | |

Following table is recommended to service the lift table periodically.

8. GREASING POINTS

- 1.Piston rod bearing
- 2.Lower running wheel
- 3.Lower arm fixing
- 4.Arm center
- 5.Upper arm fixing
- 6.Upper running wheel When greasing the bearings

the Lift Table must not be loaded! When determining oil levels, bear in mind that the tank contains the greatest amount when the lift table is in its lowest position. Hydraulic oil must be treated as dangerous waste!

9. TROUBLE SHOOTING

Note: Before service it is necessary to put down the prop lest the table lowers accidentally.

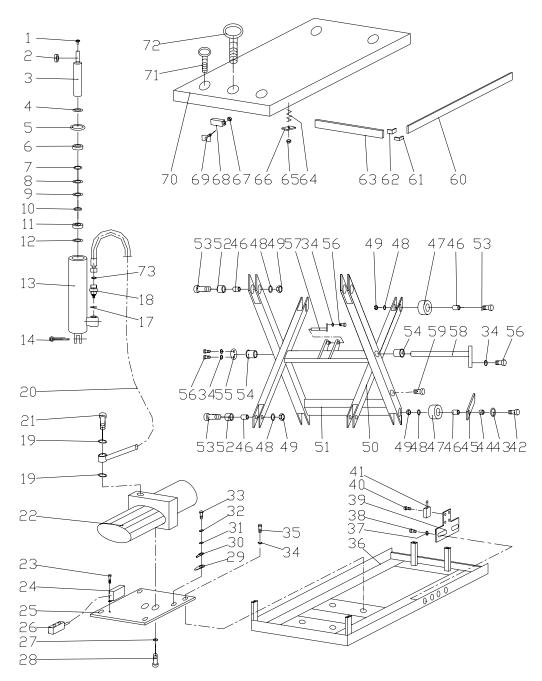
| Trouble | Cause | Remedy | | | |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Table cannot lift while motor works normally | Eyebolt has not been removed AC voltage phrases mistake Electromagnetic dysfunctions The table is overloaded | Remove eyebolt Correct AC voltage phrase Check the function of electromagnetic valve and repair it Remove excessive load | | | |
| Table cannot lift and motor does not work | Lowering limit switch (if existed) damaged | ◇ Replace limit switch | | | |
| Table cannot lower | Lowering limit switch or micro-switch on safety guard damaged Electromagnetic valve dysfunctions Safety guard works Something wrong with electric circuit board | Replace lowering limit switch or micro-switch. Check the function of electromagnetic valve and repair it Strike the UP button slightly Replace electric circuit board | | | |
| Table's legs go over limit position (if existed) while table lowers | Internal leaking in electromagnetic valve Packing damaged in hydraulic cylinder | Repair electromagnetic valve and if necessary replace it Check and replace packing | | | |
| Table cannot reach the highest position | ◇ Oil not enough ◇ Limit switch damaged | Fill enough oil Check and repair limit switch. If necessary, replace it | | | |

The brand of oil is ISO HL32(such as Rando oil R&O32、D.T.E.oil light、Turbo32)

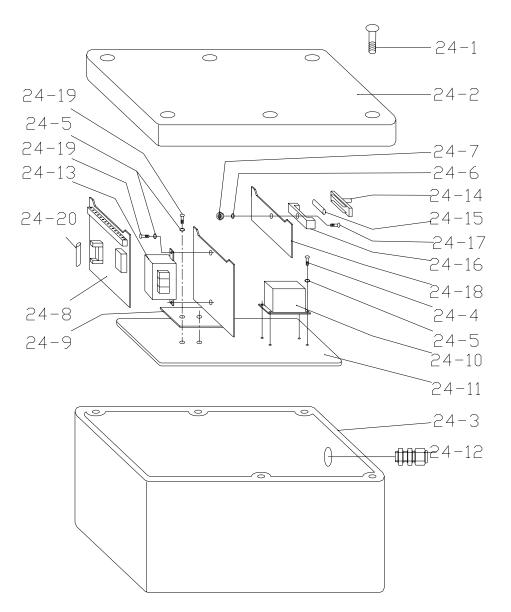
10. SPECIFICATIONS

| Model | | HW1001 | HW1002 | HW1003 | HW1004 | HW1005 | HW1006 | HW2001 | HW2002 | HW2003 | HW2004 | HW2005 | HW2006 | HW4001 | HW4002 | HW4003 | HW4004 | HW4005 | HW4006 |
|------------------------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Capacity | (kg) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 |
| Collapsed Heig | ght (mm) | 205 | 205 | 240 | 240 | 240 | 240 | 230 | 230 | 250 | 250 | 250 | 250 | 240 | 240 | 300 | 300 | 300 | 300 |
| Max. Bearing Height | (mm) | 990 | 990 | 1300 | 1300 | 1300 | 1300 | 1000 | 1000 | 1300 | 1300 | 1300 | 1300 | 1050 | 1050 | 1400 | 1400 | 1400 | 1400 |
| Platform Lengt | h (mm) | 1300 | 1600 | 1700 | 1700 | 2000 | 2000 | 1300 | 1600 | 1700 | 1700 | 2000 | 2000 | 1700 | 2000 | 2000 | 2000 | 2200 | 2200 |
| Platform Width | i (mm) | 820 | 1000 | 850 | 1000 | 850 | 1000 | 850 | 1000 | 850 | 1000 | 850 | 1000 | 1200 | 1200 | 1000 | 1200 | 1000 | 1200 |
| Approx. Lifting | Time while Loaded | 20~25 | 20~25 | 25~35 | 25~35 | 25~35 | 25~35 | 16~22 | 16~22 | 20~30 | 20~30 | 20~30 | 20~30 | 30~40 | 30~40 | 45~55 | 45~55 | 45~55 | 45~55 |
| Rated Capacity | y (Sec) | 20 23 | 20 23 | 20 00 | 25 35 | 20 00 | 20 00 | 10 22 | 10 22 | 20 30 | 20 30 | 20 30 | 20 30 | 30 40 | 30 40 | 40 00 | 43 33 | 43 33 | 40 00 |
| | Output (w) | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 |
| | Voltage (V) | | | | | | 400 | | | | | | | | | | | | |
| Motor | Revolution (r/min) | | | | | | | | | 1400 | | | | | | | | | |
| | Protection Class | | | | | | | | | IP.54 | | | | | | | | | |
| | Insulation Class | | | | | | | | | F. | | | | | | | | | |
| Net Weight | (kg) | 146 | 192 | 200 | 210 | 212 | 223 | 235 | 268 | 289 | 300 | 300 | 315 | 375 | 405 | 470 | 490 | 480 | 505 |

LIFT TABLE HW1001 1002 1003 1004 1005 1006

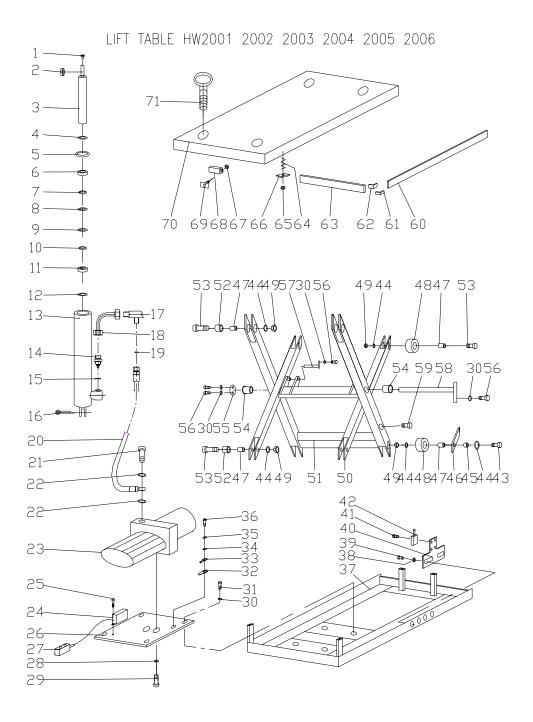


ELECTRICAL BOX (24)



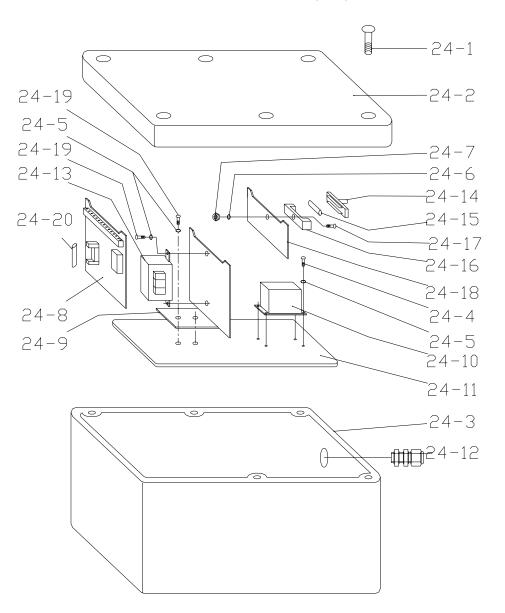
| | <u>LIFT TABLE SPARE PARTS L</u> | IST H | W1001 | 1002 1003 1004 1005 100 | 6 |
|------------------|---------------------------------------|-------|-----------------|--------------------------------------------|-----|
| NO | DESCRIPTION | QTY | NO | DESCRIPTION | ΟΤΥ |
| 1. | Grease cup M6 | 1 | 29 | Indicator $\Phi 6$ | 1 |
| 2. | Bearing GE30ZS | 1 | 30 | Connector lug ϕ 6-4 | 1 |
| 3. | Piston rod | 1 | 31 | Washer 6 | 1 |
| 4. | Seal cover 52×40×7 | 1 | 32 | Spring washer 6 | 1 |
| 5. | Retaining ring ϕ 75 | 1 | 33 | Bolt M6×12 | 1 |
| 6. | Cylinder cover | 1 | 34 | Spring washer 8 | 8 |
| 7. | O-ring 40×2.65 | 1 | 35 | Bolt M8×10 | 4 |
| <u>8.</u> 9. | Snap ring ϕ 80 O-ring 75×2.65 | 1 | <u>36</u> 37 | Chassis Washer 6 | 1 2 |
| <u>9.</u> 10. | Snap ring $\phi 40$ | 1 | 37 | Bolt M6×10 | 2 |
| 11. | Piston | 1 | 39 | Frame of travel switch | 1 |
| 12. | Seal ring 80×60×22.3 | 1 | 40 | Bolt M5×10 | 4 |
| | 6 | | | | |
| 13. | Cylinder | 1 | 41 | Travel switch (ME-9101) | 1 |
| 14. | Split pin 4×35 | 1 | 42 | Bolt M12×70 | 2 |
| 17. | Seal ring 16 | 1 | 43 | Washer 12 | 2 |
| 18. | Hose break valve | 1 | 44 | Bushing | 2 |
| 19 | Seal ring 14 | 2 | 45 | Prop | 2 |
| 20 | High pressure hose | 1 | 46 | Bushing | 8 |
| 21 | Joint | 1 | 47 | Roller | 4 |
| 22 | Hydraulic power pack | 1 | 48 | Spring washer 12 | 8 |
| 23 | Bolt M6×12 | 2 | 49 | Nut M12 | 8 |
| 24 | Electric box | 1 | 50 | Internal scissors | 1 |
| 24-1 | Screw | 6 | 51 | External scissors | 1 |
| 24-2 | Cover | 1 | 52 | Bushing $\phi 20 \times \phi 18 \times 15$ | 8 |
| 24-3 | Box | 1 | 53 | Bolt M12×60 | 6 |
| 24-4 | Screw M4x10 | 4 | 54 | Bushing | 2 |
| 24-5 | Spring washer 4 | 8 | 55 | Washer | 1 |
| 24-5 | 1 0 | 1 | | | 4 |
| | Washer 4 | 1 | 56 | Hex headed screw bolt M8×20 | - |
| 24-7 | Nut M4 | _ | 57 | Pin Di | 1 |
| 24-8 | Electric circuit board | 1 | 58 | Pin | 1 |
| 24-9 | Support for transformer | 1 | 59 | Bolt | 2 |
| 24-10 | Contactor | 1 | 60 | Safety frame | 2 |
| 24-11 | Board | 1 | 61 | Fixed-board | 4 |
| 24-12 | Plastic joint | 6 set | 62 | Connected-board | 4 |
| 24-13 | Transformer | 1 | 63 | Safety frame II | 2 |
| 24-14 | Plug for fuse | 1 | 64 | Spring | 4 |
| 24-15 | Fuse 1A | 1 | 65 | Nut M8 | 4 |
| 24-16 | Socket for fuse | 1 | 66 | Buffer-board | 4 |
| 24-17 | Screw M4x8 | 1 | 67 | Nut | 4 |
| 24-18 | Board | 1 | 68 | Safety switch | 2 |
| 24-19 | Screw M4x6 | 4 | 69 | Fixed-board | 4 |
| 24-19 | Fuse 3A | 1 | 70 | Table | 1 |
| 24-20 | Pump pack base | 1 | 70 | Lifting bolt M10 | 4 |
| | | | | - | |
| 26 | Control switch | 1 | 72 | Lifting bolt M16 | 1 |
| 27 | Spring washer 10 | 2 | 73 | O-ring 9.5×1.8 | 1 |
| 28 | Hex socket screw bolt M10×20 | 2 | | | |

IFT TABLE SPARE PARTS | |ST HW1001 1002 1003 1004 1005 1006



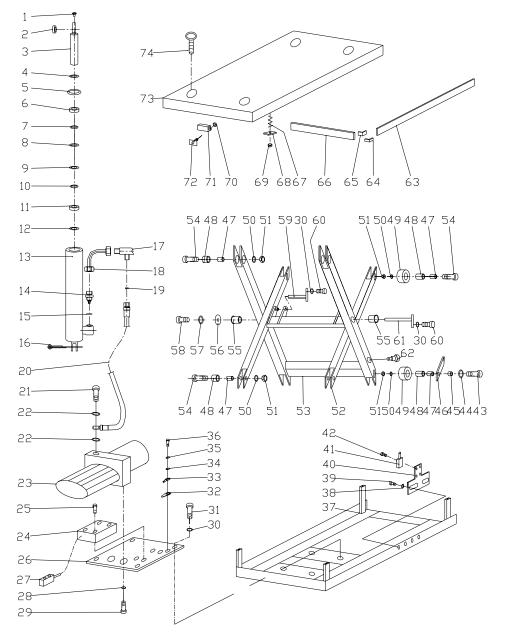


ELECTRICAL BOX (24)

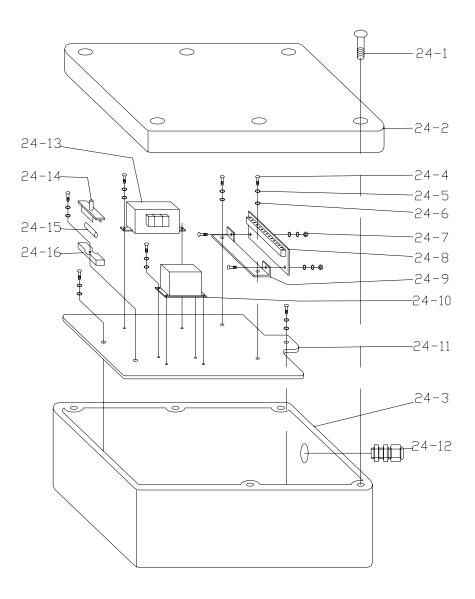


| | <u>IFT TABLE SPARE PARTS L</u> | | | | <u>06</u> |
|----------------|--------------------------------|-------|----------|-----------------------------|-----------|
| NO | DESCRIPTION | QTY | NO | DESCRIPTION | QTY |
| 1. | Grease cup M6 | 2 | 27 | Control switch | 1 |
| 2. | Bearing GE30ZS | 2 | 28 | Spring washer 10 | 2 |
| 3. | Piston rod | 2 | 29 | Hex bolt $M10 \times 20$ | 2 |
| 4. | Seal cover 52×40×7 | 2 | 30 | Spring washer 8 | 9 |
| 5. | Retaining ring Φ 75 | 2 | 31 | Bolt M8×10 | 4 |
| 6. | Cylinder cover | 2 | 32 | Indicator $\Phi 6$ | 1 |
| 7. | O-ring 40×2.65 | 2 | 33 | Connector lug ϕ 6-4 | 1 |
| 8. | Snap ring Φ80 | 2 | 34 | Washer 6 | 1 |
| 9. | O-ring 75×2.65 | 2 | 35 | Spring washer 6 | 1 |
| 10. | Snap ring \$\overline{40}\$ | 2 | 36 | Bolt M6×12 | 1 |
| 11. | Piston | 2 | 37 | Chassis | 1 |
| 12. | Seal ring 80×60×22.3 | 2 | 38 | Washer 6 | 2 |
| 13. | Cylinder | 2 | 39 | Bolt M6×10 | 2 |
| 14. | Hose break valve | 2 | 40 | Frame of travel switch | 1 |
| 15. | Seal ring 16 | 2 | 41 | Bolt M5×10 | 4 |
| 16. | Split pin 4×35 | 2 | 42 | Travel switch (ME-9101) | 1 |
| 17. | T joint | 1 | 43 | Bolt I | 2 |
| 18. | Steel tube | 2 | 44 | Washer 14 | 10 |
| 19. | O-ring 6×1.8 | 1 | 45 | Bushing | 2 |
| 20 | High pressure hose | 1 | 46 | Prop | 2 |
| 21 | Jiont | 1 | 47 | Bushing | 8 |
| 22 | Seal ring 14 | 2 | 48 | Roller | 4 |
| 23 | Hydraulic power pack | 1 | 49 | Nut M14 | 8 |
| 24 | Electric box | 1 | 50 | Internal scissors | 1 |
| 24-1 | Screw | 6 | 51 | External scissors | 1 |
| 24-2 | Cover | 1 | 52 | Bushing | 8 |
| 24-3 | Box | 1 | 53 | Bolt | 6 |
| 24-4 | Screw M4x10 | 4 | 54 | Bushing | 2 |
| 24-5 | Spring washer 4 | 8 | 55 | Washer | 1 |
| 24-6 | Washer 4 | 1 | 56 | Hex headed screw bolt M8×20 | 5 |
| 24-7 | Nut M4 | 1 | 57 | Pin | 2 |
| 24-8 | Electric circuit board | 1 | 58 | Pin | 1 |
| 24-9 | Support for transformer | 1 | 59 | Bolt | 2 |
| 24-10 | Contactor | 1 | 60 | Safety frame I | 2 |
| 24-11 | Board | 1 | 61 | Fixed-board | 4 |
| 24-12 | Plastic joint | 6 set | 62 | Connected-board | 4 |
| 24-13 | Transformer | 1 | 63 | Safety frame II | 2 |
| 24-14 | Plug for fuse | 1 | 64 | Spring | 4 |
| 24-15 | Fuse 1A | 1 | 65 | Nut M8 | 4 |
| 24-16 | Socket for fuse | 1 | 66 | Buffer-board | 4 |
| 24-17 | Screw M4x8 | 1 | 67 | Nut M4 | 4 |
| 24-18 | Board | 1 | 68 | Safety switch | 2 |
| 24-19 24-20 | Screw M4x6 Fuse 3A | 4 | 69 70 | Fixed-board Table | 4 |
| 24-20 25 | Bolt M6×12 | 2 | 70 | Lifting bolt M10 | 4 |
| 26 | Pump pack base | 1 | 72 | Lifting bolt M16 | 1 |

LIFT TABLE SPARE PARTS LIST HW2001 2002 2003 2004 2005 2006



ELECTRICAL BOX (24)



| LIFT | TABLE SPARE PARTS LIST I | HW4001. | . HW400 | 02.HW4003 HW4004 HW4005 | HW4006 |
|----------------|----------------------------------|---------|----------|---------------------------------------|--------|
| NO | DESCRIPTION | QTY | NO | DESCRIPTION | QTY |
| 1. | Grease cup M6 | 2 | 31 | Bolt M8×12 | 4 |
| 2. | Bearing GE40ET | 2 | 32 | Indicator $\phi 6$ | 1 |
| 3. | Piston rod | 2 | 33 | Connector lug φ6-4 | 1 |
| 4. | Seal cover 58×50×6.5 | 2 | 34 | Washer 6 | 1 |
| 5. | Retaining ring $\phi 95$ | 2 | 35 | Spring washer 6 | 1 |
| 6. | Cylinder cover | 2 | 36 | Bolt M6×12 | 1 |
| 7. | Guide ring | 2 | 37 | Chassis | 1 |
| 8. | Snap ring $\phi 100$ | 2 | 38 | Washer 6 | 2 |
| 9. | O-ring 95×2.65 | 2 | 39 | Bolt M6×10 | 2 |
| 10. | Snap ring ϕ 50 | 2 | 40 | Frame of travel switch | 1 |
| 11. | Piston | 2 | 40 | Travel switch (ME-9101) | 1 |
| 11. | | 2 | 41 | · · · · · · · · · · · · · · · · · · · | 4 |
| | Seal ring 100×75×22.3 | | | Bolt M5×10 | |
| 13. | Cylinder | 2 | 43 | Bolt | 2 |
| 14. | Hose break valve | 2 | 44 | Washer | 2 |
| 15. | Seal ring 16 | 2 | 45 | Bushing | 2 |
| 16. | Split pin 4×35 | 2 | 46 | Prop | 2 |
| 17. | T joint | 1 | 47 | Bushing | 8 |
| 18. | Steel tube | 2 | 48 | Bushing φ34×φ30×20 | 16 |
| 19 | O-ring 6×1.8 | 1 | 49 | Roller | 4 |
| 20 | High pressure hose | 1 | 50 | Spring washer 18 | 8 |
| 21 | Joint | 1 | 51 | Nut M18 | 8 |
| 22 | Seal ring 18 | 2 | 52 | Internal scissors | 1 |
| 23 | Hydraulic power pack | 1 | 53 | External scissors | 1 |
| 24 | Electric box | 1 | 54 | Bolt | 6 |
| 24-1 | Screw | 6 | 55 | Bushing φ60×φ55×60 | 2 |
| 24-2 | Cover | 1 | 56 | Washer | 1 |
| 24-3 | Box | 1 | 57 | Spring washer 12 | 1 |
| 24-4 | Screw M4x10 | 13 | 58 | Hex bolt M12×30 | 1 |
| 24-4 | Spring washer 4 | 13 | 59 | Pin | 2 |
| 24-5 | Washer 4 | 13 | 60 | Hex bolt M8×20 | 3 |
| | | | | Pin | |
| 24-7 | Nut M4 Electric circuit board | 2 | 61 | | 1 |
| 24-8 | | 1 | 62 | Bolt | 2 |
| 24-9 | Support | 1 | 63 | Safety frame I | 2 |
| 24-10 | Contactor | 1 | 64 | Fixed-board | 4 |
| 24-11 | Board | 1 | 65 | Connected-board | 4 |
| 24-12 24-13 | Plastic joint Transformer | 5 set | 66 | Safety frame II Spring | 2 |
| | Transformer Plug for fuse | 1 | 67 68 | Spring Buffer-board | 6 |
| 24-14 | Fug for fuse | 1 | 69 | Nut M8 | 6 |
| 24-15 | Socket for fuse | 1 | 70 | Nut M4 | 4 |
| 24-10 | Bolt M4×16 | 4 | 70 | Safety switch | 2 |
| 26 | Pump pack base | 1 | 72 | Fixed-board | 4 |
| 27 | Control switch | 1 | 73 | Table | 1 |
| 28 | Spring washer 10 | 2 | 74 | Lifting bolt M10 | 4 |
| 29 | Hex bolt M10×20 | 2 | 75 | Lifting bolt M16 | 1 |
| 30 | Spring washer 8 | 7 | | | |

| I IFT | TABLE | SPARE | PARTS | LIST | HW4001 | HW4002 | HW4003 | HW4004 | HW4005 | HW4006 |
|-------|-------|-------|--------|------|--------|-----------|-----------|------------|------------|-----------|
| | | | 174110 | LIVI | | 11111002. | 111110000 | 1111 100 1 | 1111 10000 | 1111 1000 |