SP500B

Hydraulic Lift Table

* Operation manual
* Spare parts catalogue



**Ⅰ. Main technical parameters：**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | SP500B |  |  |  |
| Capacity | kg | 500 |  |  |  |
| Max. lift height | mm | 1100 |  |  |  |
| Min. height of table | mm | 310 |  |  |  |
| Table size | mm | 1200X800 |  |  |  |
| Handle height | mm | 990 |  |  |  |
| Wheel diameter | mm | 125 |  |  |  |
| Service weight | kg | 120 |  |  |  |

**Ⅱ. Scope of application：**

PT series table lift truck is a kind of high-lift transportation tool which is applicable for short-distance transportation as well as goods lifting and lowering. Besides, it can also be used as station facilities for workshop.

**Ⅲ. Operation condition:**

1. Lift table should be operated on solid and flat ground；

2. Operation temperature: -20-40C°.

**Ⅳ. Notes(warning)：**

1. Read the instruction carefully before operation and get to know the performance and operation requirements of the lift table. And the hydraulic lift table can’t be used unless it is authorized.

2. Do not overload the hydraulic lift table and operate it within the rated load. Overloading will cause damage to the hydraulic lift table and human body.

3. It is forbidden for operators to stand or sit on the table to work.

4. Don’t put the hands or feet under the lowering table.

5. Please brake the truck when loading goods to prevent it from moving.

6. Off-set loading is forbidden when loading goods, and the goods should be distributed uniformly on the whole table.

7. Loose or unstable goods are not permitted to be loaded.

8. Don’t put goods on working table for a long time.

9. The truck can’t be moved when goods are being lifted.

10. The truck can only be moved on flat and hard ground, it is forbidden to be used on sloping ground or rugged ground;

11. When putting goods on table which has been hoisted, the weight of goods should be within rated load, and the goods should be loaded lightly. (Safety valve only works in hoisting process, if the truck has been hoisted, and then put overweight goods on it, the safety valve can’t work. In this way, the truck may be damaged.)

12. When loading and unloading goods on hoisted table, don’t drag goods in cross direction, which may cause serious off-set loading and make truck turn over.

13. When maintaining and repairing truck, stand bar should be used to support fork arm in order to prevent table from falling (there should be no goods on table), and guarantee the safety in maintenance and repairing.

14. Please operate strictly according to “notes (warning)”, otherwise it will bring damage to truck and human body.

**Ⅴ. Operation methods：**

1. Please step on the foot lever for several times to raise the working table.

2. Please lift the handle knob upward slowly, and open the one-way valve to make the working table descend slowly.

3. Please make the brake open before moving the truck.

**Ⅵ. Maintenance and upkeep:**

It is very important to conduct necessary maintenance and upkeep so as to prolong the service life and safety of the lift table. Please check the lift table before operation according to the following items:

1. Whether there is any distortion and bending of various positions of the lift table.

2. Please check the brake of the truck and the wearing condition of the wheels.

3. Check oil leakage in the hydraulic system.

4. Please add or fill lubricant to each friction surface before daily operation.

5. If there is any failure, the lift table should be repaired at once, then it can be put into use again.

6. Chang the hydraulic oil every twelve months, choose the following or close brand hydraulic oil according to the climate conditions of different areas:

a) YBN32 is adaptive under the environment temperature of -10~+40°C;

b) YCN32 is adaptive under the environment temperature of -20~+40°C.

**Ⅶ. Assembly method：**

The handle and foot lever are dismantled when ex-factory, they might be fixed together by the users when using. The assembly methods are as follows:

Handle installation method: as shown following drawing, fix the handle (B1) to mounting hole of the truck body (A) with bolt (B7), spring washer (B6), flat washer (B5), then screw down the bolt (B7) with wrench.

Foot lever mounting: insert the foot lever (B31) into the hole, put in the screw (B29) and the plain washer (B27) , the spring washer (B28) ,then screw down the screw (B29) with wrench.



**Ⅷ. Name of Parts**



**Ⅸ.** **Spare parts catalogue**

1.Pump Spare parts catalogue (SP150B)



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Name | Qty. |  | No. | Name | Qty. |
| B101 | Pump core | 1 | B125 | Base for steel ball | 1 |
| B102 | Cover for spring | 1 | B126 | Retaining ring for axle | 1 |
| B103 | Spring | 1 | B127 | Lever plate | 1 |
| B104 | Dust ring | 1 | B128 | Pin | 1 |
| B105 | Seal ring | 1 | B129 | O-ring | 2 |
| B106 | Pump cylinder | 1 | B130 | Strike pin | 1 |
| B107 | O-Ring | 1 | B131 | Seal ring | 1 |
| B108 | Pump base | 1 | B132 | O-ring | 1 |
| B109 | Steel ball | 1 | B133 | Washer of Nylon | 1 |
| B110 | Spring | 1 | B134 | Cylinder | 1 |
| B111 | Screw for adjust pressure | 1 | B135 | Retaining ring for axle | 1 |
| B112 | O-Ring | 1 | B136 | Piston | 1 |
| B113 | Base for steel ball | 1 | B137 | Piston rod | 1 |
| B114 | Screw | 1 | B138 | O-ring | 1 |
| B115 | Steel ball | 1 | B139 | O-ring | 1 |
| B116 | Spring | 1 | B140 | Screw for sealing | 1 |
| B117 | Steel ball | 1 | B141 | Dust ring | 1 |
| B118 | Steel ball | 1 | B142 | Housing | 1 |
| B119 | Steel ball | 1 | B143 | Washer of Nylon | 1 |
| B120 | Spring | 1 | B144 | Cylinder cap | 1 |
| B121 | Valve | 1 | B145 | O-ring | 1 |
| B122 | Compound gasket | 1 |  |  |  |
| B123 | Screw for sealing | 1 |  |  |  |
| B124 | O-ring | 1 |  |  |  |

2. Type SP150B Spare parts catalogue



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Name | Qty. |  | No. | Name | Qty. |
| B1 | Handle | 1 | B26 | Spacer bush | 1 |
| B2 | Handle knob | 1 | B27 | Washer | 1 |
| B3 | Brake Line | 1 | B28 | Spring washer | 1 |
| B4 | Spring pin | 1 | B29 | Screw | 1 |
| B5 | Washer | 2 | B30 | Robber tube | 1 |
| B6 | Spring Washer | 2 | B31 | Foot lever | 1 |
| B7 | Screw | 2 | B32 | Connecting rod | 1 |
| B8 | Screw | 2 | B33 | Table | 1 |
| B9 | Nut | 2 | B34 | Scissor | 1 |
| B10 | Retaining ring for axle | 1 | B35 | Retaining ring for axle | 4 |
| B11 | Bush | 2 | B36 | Shaft | 4 |
| B12 | Axle | 1 | B37 | Pulley | 4 |
| B13 | Pump | 1 | B38 | Frame | 1 |
| B14 | Clamp screw | 1 | B39 | Screw | 8 |
| B15 | Washer | 1 | B40 | Washer | 16 |
| B16 | Nut | 1 | B41 | Universal wheel | 2 |
| B17 | Retaining ring for axle | 2 | B42 | Nut | 8 |
| B18 | Shaft | 1 | B43 | Nut | 4 |
| B19 | Long spacer bush | 1 | B44 | Base for universal wheel | 2 |
| B20 | Short spacer bush | 1 | B45 | Dust cover | 4 |
| B21 | Cotter | 2 | B46 | Wheel | 4 |
| B22 | Pin | 1 | B47 | Break pad | 2 |
| B23 | Link | 2 | B48 | Break lever | 2 |
| B24 | Washer | 2 | B49 | Screw | 4 |
| B25 | Pin | 1 |  |  |  |

3.Pump Spare parts catalogue (Type SP300B/SP500B)



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Name | Qty. |  | No. | Name | Qty. |
| X910 | Cover for spring | 1 | X935 | O-ring | 1 |
| X911 | Spring | 1 | X936 | Washer | 1 |
| X912 | Pump core | 1 | X937 | Spring | 1 |
| X913 | Dust ring | 1 | X938 | O-ring | 1 |
| X914 | Seal ring | 1 | X939 | O-ring | 1 |
| X915 | Pump cylinder | 1 | X940 | Spring | 1 |
| X916 | Washer | 1 | X941 | Valve | 1 |
| X917 | Big Nylon washer | 2 | X942 | Valve | 1 |
| X918 | Small Nylon washer | 1 | X943 | Strike pin | 1 |
| X919 | Cylinder | 1 | X944 | Strike pin base | 1 |
| X920 | Retaining ring for axle | 1 | X945 | Ball | 1 |
| X921 | Seal ring | 1 | X946 | Spring base | 1 |
| X922 | Piston | 1 | X947 | Spring | 1 |
| X923 | O-Ring | 1 | X948 | O-ring | 1 |
| X924 | Piston rod | 1 | X949 | Screw | 1 |
| X925 | Housing | 1 | X950 | Nut | 1 |
| X926 | Base | 1 | X951 | Bolt | 1 |
| X927 | Cylinder cap | 1 | X952 | Retaining ring for axle | 1 |
| X928 | O-ring | 1 | X953 | Pin | 1 |
| X929 | Dust ring | 1 | X954 | Ball | 1 |
| X930 | Screw | 1 | X955 | Ball | 1 |
| X931 | O-ring | 1 | X956 | Spring | 1 |
| X932 | Valve cover | 1 | X957 | Ball | 1 |
| X933 | Valve | 1 | X958 | Bolt | 1 |
| X934 | Lever plate | 1 |  |  |  |

4.Type SP300B/SP500B Spare parts catalogue



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Name | Qty. |  | No. | Name | Qty. |
| D1 | Handle | 1 | D28 | Connecting rod | 1 |
| D2 | Handle knob | 1 | D29 | Robber tube | 1 |
| D3 | Spring pin | 1 | D30 | Washer | 2 |
| D4 | Brake Line | 1 | D31 | Spring washer | 2 |
| D5 | Screw | 2 | D32 | Screw | 2 |
| D6 | Nut | 2 | D33 | Universal wheel | 2 |
| D7 | Retaining ring for axle | 2 | D34 | Dust cover | 8 |
| D8 | Axle | 1 | D35 | Wheel | 4 |
| D9 | Pump | 1 | D36 | Nut | 4 |
| D10 | Nut | 1 | D37 | Break pad | 2 |
| D11 | Washer | 1 | D38 | Break lever | 2 |
| D12 | Clamp screw | 1 | D39 | Bolt | 4 |
| D13 | Foot lever | 1 | D40 | Washer | 2 |
| D14 | Retaining ring for axle | 2 | D41 | Base for universal wheel | 2 |
| D15 | Shaft | 1 | D42 | Washer | 16 |
| D16 | Short spacer bush | 1 | D43 | Nut | 8 |
| D17 | Bush | 2 | D44 | Screw | 8 |
| D18 | Long spacer bush | 1 | D45 | Frame | 1 |
| D19 | Cotter | 2 | D46 | Retaining ring for axle | 4 |
| D20 | Link | 2 | D47 | Shaft | 2 |
| D21 | Washer | 2 | D48 | Bush | 4 |
| D22 | Spacer bush | 1 | D49 | Shaft | 2 |
| D23 | pin | 1 | D50 | Pulley | 2 |
| D24 | Pin | 1 | D51 | Retaining ring for axle | 4 |
| D25 | Screw | 1 | D52 | Scissor | 1 |
| D26 | Spring washer | 1 | D53 | Pulley | 2 |
| D27 | Washer | 1 | D54 | Table | 1 |