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# Instruction Manual

## **MP005**

Mobile Hydraulic Scissor Lift Table

330 lbs. (150 kg)



**KLETON**

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## **WARNING!**

Read this operation manual carefully and understand fully the operating instructions. Improper use of this unit could result in injury.

- DO NOT put foot or hand in scissor mechanism.
- Keep neighbouring persons away from the unit when in use.
- DO NOT stand in front or behind of lift table when it is in use.
- DO NOT crawl under the table.
- DO NOT put foot in front of rolling wheels.
- DO NOT use lift table on slope or inclined surfaces.
- DO NOT lift or ride people on this unit.

## **CAUTION!**

- DO NOT move this unit when lifting or lowering the bed or when the bed is in an elevated position. (Bed must be lowered when the unit is running)
- DO NOT use this table for any purpose other than it's intended use and do not load with more than the rated capacity.
- DO NOT allow persons to operate this table without complete understanding of its operation.
- DO NOT lower the bed too quickly.
- During loading/unloading operation, do not release the parking brake.
- Load should be distributed on at least 80% of the table area. Stop operation of lift table if load becomes too unstable, do not place objects protruding off edge of the bed.
- DO NOT modify lift table without manufacturers written consent.

## **Daily Inspection**

Daily inspection of this unit is critical in order to locate any malfunction or fault. Check the following daily before operating your lift table.

1. Check for bending or cracking of the lift table.
2. Check for any oil leakage from the cylinder.
3. Check for vertical creep of the table.
4. Check for smooth movement of the wheels.
5. Ensure that brakes are fully functional.
6. Ensure that all nuts and bolts are firmly tightened.

## **Assembly method**

The lift table is packed in a cardboard box. Assembling of the jack up pedal is required.

**WARNING:** Assembly work must be done on a flat surface; wheels must be chocked to prevent accidental rolling of the unit.

- 1.** Insert the jack pedal into the pedal pipe and position the tapered side pedal end to right. Tighten the jack pedal using the removed nut and washer with the smallest hex key supplied in the box.
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# OPERATING THE LIFT TABLE

## How to use the brake

The brake is located next to the swivel caster on right hand side.

1. To brake the lift table, press the brake pedal.
2. To release the brake, lift up the brake pedal.

**CAUTION:** Put lift table in brake mode when stationary in order to prevent sudden movement.

## Lifting the Table

To lift the table, press the lifting pedal several times until the table reaches the desired height. The table lowers slightly after reaching the highest position. Maximum Capacity of this table is 330 lbs. (150kg).

**WARNING:** Do not overload lift table, stay within the rated capacity.

Do not load the table on sides or ends only. Load must be distributed on at least 80% of table area.

## Lowering the Table

**WARNING:** DO NOT put foot or hand in scissor mechanism. The rotating knob lowers the table.

**NOTE:** The hydraulic cylinder is designed to hold table. As is the nature of the hydraulic system, table lowers very slowly over an extended period of time. Please note that the table does not stay at the same height indefinitely.

## Specifications

| Model | Capacity            | Table                         | Table Height               | Foot Pedal Strokes to Elevate | Wheel        | Weight              |
|-------|---------------------|-------------------------------|----------------------------|-------------------------------|--------------|---------------------|
| MP005 | 150 kg.<br>330 lbs. | 450 x 700 mm<br>17.7" x 27.5" | 225-740 mm<br>8.8" x 29.1" | ≤25                           | 100 mm<br>4" | 42 kg.<br>92.4 lbs. |

## Service Instructions

Change hydraulic oil every 12 months

Lubricate the following areas every month: Fitting of Cylinder/oil, Roller Friction Surface/grease, Link Pin/oil, Pedal Fitting Point/oil, Grease Nipple/grease

## Troubleshooting

If the table does not lift when pressing the lift pedal several times:

The pull rod is too tight and needs to be loosened.

- Using a wrench, loosen the nut holding the pull rod in place.
- With pliers, push the pull rod from the end back to loosen it, then a wrench to tighten the nut.

If the table does not lower, then the pull rod is too loose and needs to be tightened.

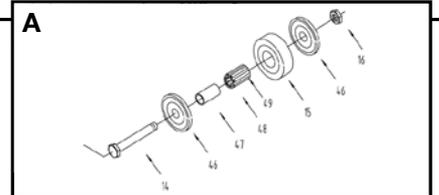
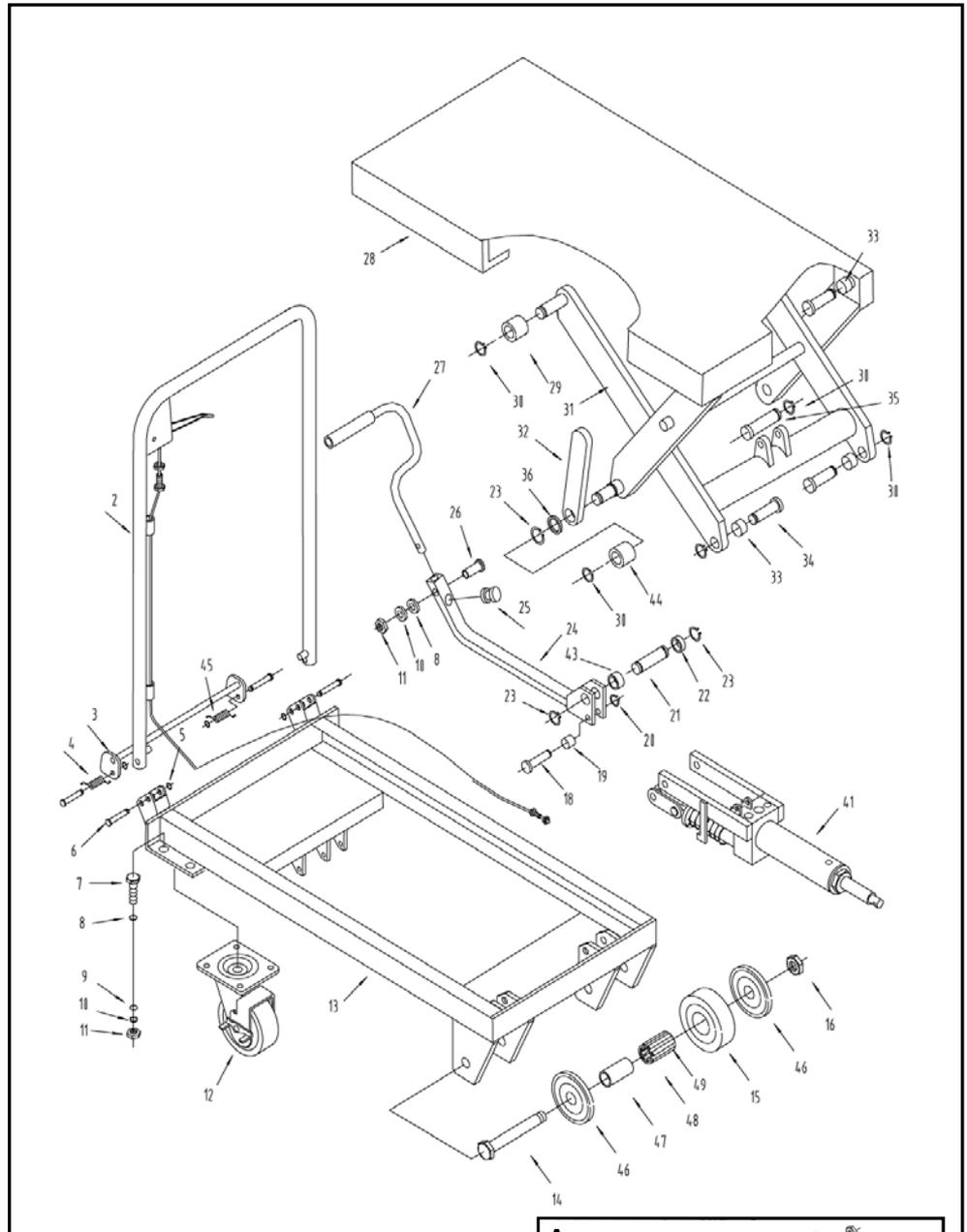
- Using a wrench, loosen the nut holding the pull rod in place.
- When pliers, pull the end of the pull rod to tighten it, then use a wrench to tighten the nut.



# LIFT TABLE PARTS LIST

| Part No. | Model No.    | Description     | Qty. |
|----------|--------------|-----------------|------|
| 2        | SPIII15.1.01 | Handle bar      | 1    |
| 3        | SP15.0.11    | Pressing buckle | 1    |
| 4        | SP15.0-13    | Spring          | 1    |
| 5        | SP.1-02      | Retaining ring  | 4    |
| 6        | GB882-86     | Pin             | 4    |
| 7        | GB5781-2000  | Bolt            | 8    |
| 8        | GB96-85      | Washer          | 8    |
| 9        | GB95-85      | Washer          | 9    |
| 10       | GB93-87      | Washer          | 9    |
| 11       | GB41-86      | Nut M8          | 9    |
| 12       | MP020        | Wheel 4"        | 2    |
| 13       | SP15.7-00    | Frame           | 1    |
| 14       | GB5780-2000  | Bolt            | 2    |
| 15       | SP15.0-03    | Wheel           | 2    |
| 16       | GB889-86     | Nut M8          | 2    |
| 18       | SP.0-11      | Shaft           | 1    |
| 19       | SP.0-12      | Bush            | 1    |
| 20       | GB894.1-86   | Retaining ring  | 1    |
| 21       | SP15.0-09    | Shaft           | 1    |

| Part No. | Model No.     | Description    | Qty. |
|----------|---------------|----------------|------|
| 22       | YQ-7-150      | Retaining ring | 1    |
| 23       | GB894.1-86    | Retaining ring | 4    |
| 24       | SP15.3.01B    | Connecting rod | 1    |
| 25       | SP.3-03       | Cushion        | 1    |
| 26       | GB5781-2000   | Bolt           | 1    |
| 27       | SP15.3.02/.03 | Pedal bar      | 1    |
| 28       | SP15.5-00     | Table          | 1    |
| 29       | SP15.6-12     | Roller         | 4    |
| 30       | GB894.1-86    | Retaining ring | 9    |
| 31       | SP15.6-00     | Arm            | 1    |
| 32       | SP15.6-07     | Support        | 2    |
| 33       | SF1.1210      | Bush           | 4    |
| 34       | SP15.0-01     | Pin            | 4    |
| 35       | SP15.0-02     | Pin            | 1    |
| 36       | GB848-86      | Washer         | 2    |
| 41       | MP027         | Pump unit      | 1    |
| 43       | YQ-8-150      | Retaining ring | 1    |
| 44       | SP15.6-09     | Roller         | 2    |
| 45       | SP15.0-12     | Spring         | 1    |

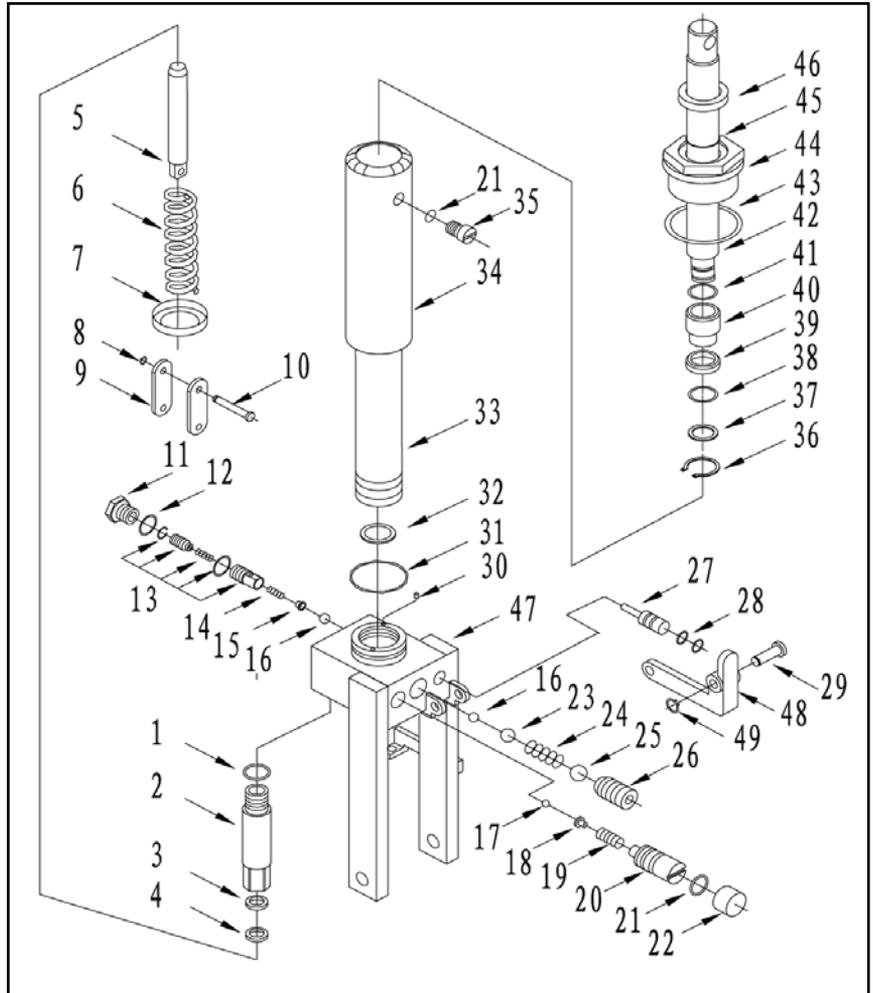


| Part No. | Model No. | Description             | Qty. |
|----------|-----------|-------------------------|------|
| 46       | SP15.0-05 | Cover                   | 4    |
| 47       | SP15.0-06 | Shaft                   | 2    |
| 48       | SP15.0-07 | Needle roller and frame | 2    |
| A        | MP024     | Wheel assembly          | 2    |

# PUMP PARTS LIST

| Part No. | Model No.   | Description    | Qty. |
|----------|-------------|----------------|------|
| 1        | GB3542.1-86 | O-ring         | 1    |
| 2        | SP8-11      | Pump cylinder  | 1    |
| 3        | UHS18       | YX-seal ring   | 1    |
| 4        | DH18        | Dust ring      | 1    |
| 5        | SP8-10      | Pump plunger   | 1    |
| 6        | SP8-09      | Spring         | 1    |
| 7        | SP8-08      | Spring seat    | 1    |
| 8        | GB894.1-86  | Retaining ring | 1    |
| 9        | SP15.0-10   | Joint plate    | 2    |
| 10       | SP.0-14     | Pin            | 1    |
| 11       | JF.1-17     | Plug           | 1    |
| 12       | JB982-77    | Copper washer  | 1    |
| 13       | 6W804.1-12  | Damp valve     | 1    |
| 14       | YQ-03       | Spring         | 1    |
| 15       | YQ-02       | Spring seat    | 1    |
| 16       | GB308-77    | Steel Ball     | 2    |
| 17       | GB308-77    | Steel Ball     | 1    |
| 18       | SP8-18      | Spring seat    | 1    |
| 19       | SP8-17      | Spring         | 1    |

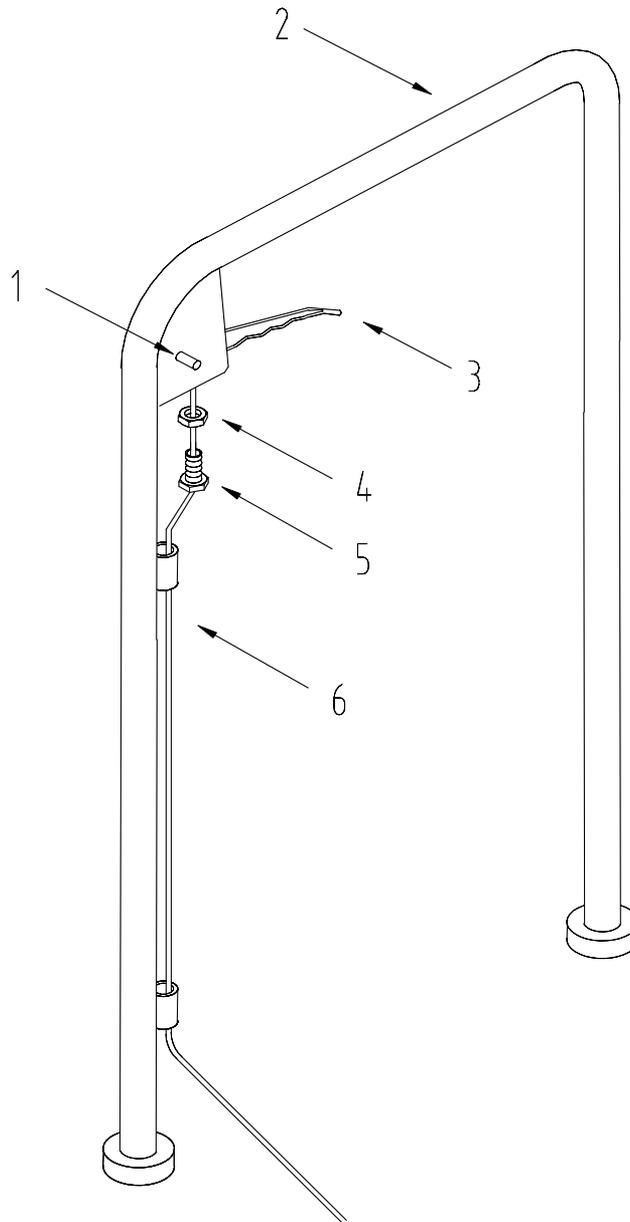
| Part No. | Model No.   | Description              | Qty. |
|----------|-------------|--------------------------|------|
| 20       | SP8-16      | Adjusting screw          | 1    |
| 21       | GB3452.1-86 | O-ring                   | 2    |
| 22       | SP8-15      | Cover ring               | 1    |
| 23       | GB308-77    | Steel ball               | 1    |
| 24       | SP8-07      | Spring                   | 1    |
| 25       | GB308-77    | Steel Ball               | 1    |
| 26       | GB77-85     | Screw                    | 1    |
| 27       | YQ-01       | Strike pin               | 1    |
| 28       | GB3452.1-82 | O-ring                   | 2    |
| 29       | DF1.2-08    | Shaft                    | 1    |
| 30       |             | Filter                   | 1    |
| 31       | GB3452.1-82 | O-ring                   | 1    |
| 32       | SP15.8-05   | Rectangular section ring | 1    |
| 33       | SP15.8-02   | Cylinder                 | 1    |
| 34       | SP15.8-01   | Housing                  | 1    |
| 35       | SP8-02      | Screw                    | 1    |
| 36       | GB894.1-86  | Retaining ring           | 1    |
| 37       | SP15.8-06   | Washer                   | 1    |
| 38       | GB3452.1-82 | O-ring                   | 1    |



| Part No. | Model No.   | Description                         | Qty. |
|----------|-------------|-------------------------------------|------|
| 39       | C01.02-20   | Cup packing                         | 1    |
| 40       | SP15.8-04   | Bush                                | 1    |
| 41       | GB3452.1-82 | O-ring                              | 1    |
| 42       | SP15.8-03   | Piston rod                          | 1    |
| 43       | C01.2-16    | Rectangular section sealing         | 1    |
| 44       | C01.2-15    | Cylinder cap                        | 1    |
| 45       | GB3452.1-82 | O-ring                              | 1    |
| 46       | HG4-692-67  | J-shaped steel frame rubber sealing | 1    |
| 47       | YQ.6-150    | Base                                | 1    |
| 48       | YQ-04       | Lever plate                         | 1    |
| 49       | GB894.1-86  | Retaining ring                      | 1    |

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# HANDLE PARTS LIST



| Part No. | Model No.   | Description     | Qty. |
|----------|-------------|-----------------|------|
| 1        | GB879-86    | Spring pin      | 1    |
| 2        | SPAIII.1.01 | Handle bar      | 1    |
| 3        | MP014       | Handle Knob     | 1    |
| 4        |             | Nut             | 1    |
| 5        | MP016       | Adjusting screw | 1    |
| 6        |             | Pull rod        | 1    |

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