



## MP565/MP566 – Manual and Operating Instructions



**Carefully read the instructions and adhere to all the listed warnings and labels before operation.**

**Please also confirm that the vehicle is safe and without damage before use.**

## Regular Maintenance Record

<b>3 months after purchase</b>	<b>6 months after purchase</b>	<b>9 months after purchase</b>
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
Signature:	Signature:	Signature:
<b>1 year after purchase</b>	<b>1 year and 3 months after purchase</b>	<b>1 year and 3 months after purchase</b>
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
Signature:	Signature:	Signature:
<b>1 year and 3 months after purchase</b>	<b>1 year and 3 months after purchase</b>	<b>1 year and 6 months after purchase</b>
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
Signature:	Signature:	Signature:
<b>1 year and 9 months after purchase</b>	<b>2 years after purchase</b>	<b>2 years and 3 months after purchase</b>
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
Signature:	Signature:	Signature:
<b>2 years and 6 months after purchase</b>	<b>2 years and 9 months after purchase</b>	<b>3 years after purchase</b>
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
Signature:	Signature:	Signature:
<b>3 years and 3 months after purchase</b>	<b>3 years and 6 months after purchase</b>	<b>3 years and 9 months after purchase</b>
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
Signature:	Signature:	Signature:
<b>4 years after purchase</b>	<b>4 years and 3 months after purchase</b>	<b>4 years and 6 months after purchase</b>
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
Signature:	Signature:	Signature:
<b>4 years and 9 months after purchase</b>	<b>5 years after purchase</b>	<b>5 years and 3 months after purchase</b>
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
Signature:	Signature:	Signature:

Please perform regular maintenance according to the times specified in the routine maintenance form above, and record in the following form after schedule maintenance is complete.

**Note:** The failure to maintain and execute regularly scheduled maintenance on the product could result in loss of warranty and damage to the vehicle.

## MP565/MP566 Operating Manual Glossary

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### Warning

If this operation manual isn't followed, the quality assurance from the company will automatically fail, which also applies to the illegal export of products by customers or third parties without the permission of the manufacturer. Without the permission of the customer service department of the company, if the customer and the third party execute the nonstandard operation of the forklift without authorization, the company will not bear any responsibility for the loss.

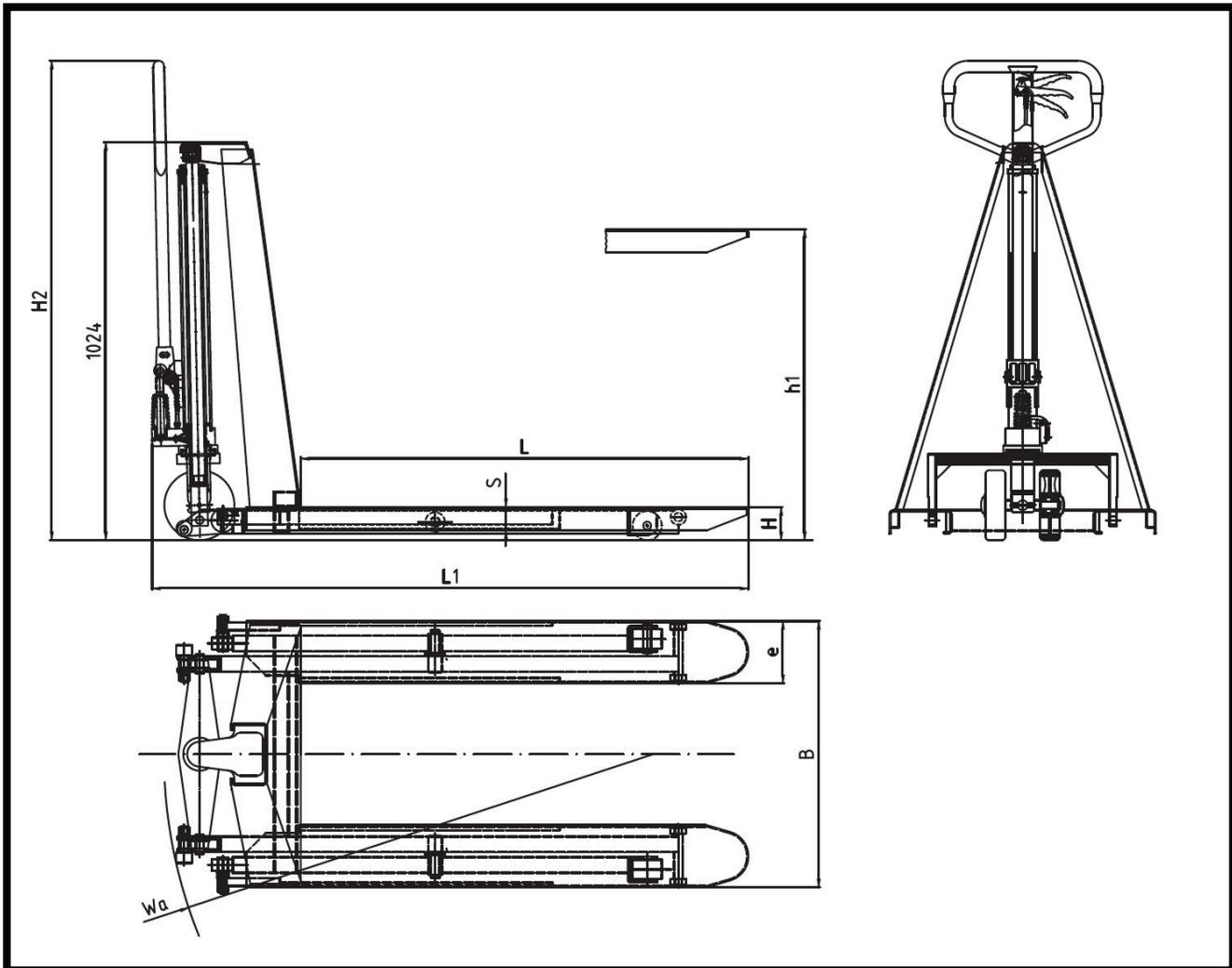
Note: the manufacturer reserves the right to change the design and specification of the product without notice due to the continuous improvement of the product.

## 1. Product Introduction

Thank you for your purchase of this Manual Hydraulic Skid Lift. For your safety and proper operations, please read and understand the manual and warning labels carefully before use. Warning labels are located on the vehicle and must be consulted before use.

This Manual Hydraulic Skid Lift is a medium height lifting, short distance dual-purpose transport vehicle. It can be widely used in workshops, warehouses, docks, stations and freight yards. It is a highly useful tool used to improve production efficiency, reduce labor intensity and improving ergonomics of loading and unloading products.

## 2. Technical Parameters



Item	Unit	Manual Skid Lift (MP565/MP566)
Rated Load	Kg	1500
Min. height of fork	H(mm)	85
Max. height of fork after lifting	H1(mm)	800
Max. lifting stroke	mm	>= 710
Fork outside width	B(mm)	540/685
Fork inside width	mm	220/365
Fork working length	L(mm)	1150
Single fork width	e(mm)	160
Fork thickness	s(mm)	50
Vehicle length	L1 (mm)	1540
Vehicle Width	mm	540/685
Vehicle height	H2(mm)	1235
Bearing wheel size	mm	Φ74x50
Steering wheel dimensions	mm	Φ180x50
Min. turning radius	mm	1260
Wheel material	mm	PU
Dead Weight	Kg	133/143

### 3. Safety Guide

1. The operator must read this manual and all warning labels on the vehicle carefully before use.
2. Do not use this vehicle without training or authorization.
3. Please check the vehicle before use, pay special attention to the wheel, handle, roller and drop valve to inspect for damage.
4. When it is suitable for fast lifting, the weight of goods should not be more than 300 kg; otherwise the vehicle may be damaged from the rapid rise.
5. Do not carry people on the fork/forks.
6. Do not put your hand into the scissors and forks of the vehicle.
7. Do not use on slopes or steep inclines.
8. Overloading the vehicle above its maximum capacity is prohibited.
9. Goods are to be placed on both forks and the center of gravity of the goods must be within the vehicle's limits.
10. When handling goods, the height of fork from the ground shall not be higher than 300 mm.
11. In other special occasions or conditions, the operator should use their best judgement and be mindful of the limitations of the vehicle.

## 4. Maintenance

### 1. Hydraulic oil

Please check the oil quantity every six months, the specification of the oil is:

#32 Anti-wear hydraulic oil (L-Hm32), the total oil quantity is about 2.5L.

### 2. Exhaust

After purchasing the vehicle, due to transportation or other reasons, air may have entered into the hydraulic oil, this can result in low or no pump pressure when the handle assembly is in use. This can prevent or limit the forks from rising. To fix this issue, the air should be exhausted from the oil. To do so, loosen the refueling screw on the cylinder barrel, and then slowly press the handle, you will see bubbles coming out from the refueling screw. When there are no more bubbles coming out from the refueling screw, wipe clean and be sure to tighten the refueling screw again, otherwise the air will be able to re-enter the oil.

### 3. Daily inspection and maintenance

In order to maintain good service condition, the vehicle should be inspected and maintained every day. During inspection, the wheel and mandrel are to be inspected, specifically the thread and rags wound on the wheel mandrel; the fork and scissors fork should also be inspected. Once the pallet truck is no longer in use, the load should be removed and returned to the lowest possible position.

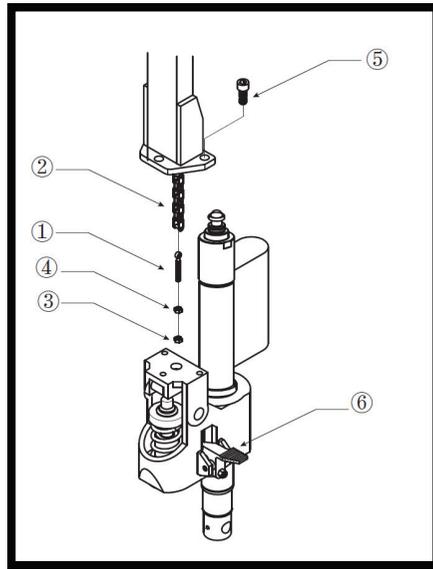
### 4. Lubrication

All bearings and shafts have been filled with long-term lubricating oil before leaving the factory. Additional lubricating oil should be added during regular cleaning and maintenance to ensure the longevity of the product.

## 5. Installation and debugging

This single-pump hydraulic skid lifter (MP565/MP566) has the handle already installed on the vehicle. If you need to install it, please refer to the installation method of SYP-I handle of the carrier. The following installation method should only be required for the two cylinder models. Handle installation is described below if needed for reference (WARNING: Please only tamper with handle installation if trained and qualified. Components are under compression there is a serious risk of injury if mishandled)

1. **Handle installation** (Only necessary for double pump assembly – not required for MP565/MP566)



When installing the handle, it is easier to access the installation from behind the oil pump at a low angle, and then:

- a) Pass the chain (2), adjusting nut (3) / (4) and hinge bolt (1) through the center hole of the handle seat on the oil cylinder by hand.
- b) Fasten the handle to the handle base using the inner hexagon screw (5).
- c) Lift up the swing rod (6) by pressing down on it, put the hinge bolts (1) and (4) into the groove of swing rod (6), and use nuts (3)/(4) to clamp them in the upper and lower positions of the groove of swing rod. Once in place one nut (3)/(4) should be above and below the groove in the swing rod to support it.

**2. Handle adjustment** Take single cylinder as an example (MP565/MP566), the control handle (As seen on page 9) has three adjustable positions:

These three positions are calibrated before leaving the factory. If changed accidentally, they can be adjusted according to the following methods:

- a) If the fork rises when the control handle is in the middle position, turn the adjusting nut on the hinge bolt clockwise until the fork does not rise and everything is normal.
- b) If the control handle is in the middle position and the fork drops, turn the adjusting nut counter-clockwise until the fork does not drop.
- c) When the control handle is pressed in the up position and the fork does not lower, turn the adjusting nut clockwise until the control handle is in the down position and the forks lower. Then check the middle position according to 1) and 2) to ensure that the nut is in the correct position.

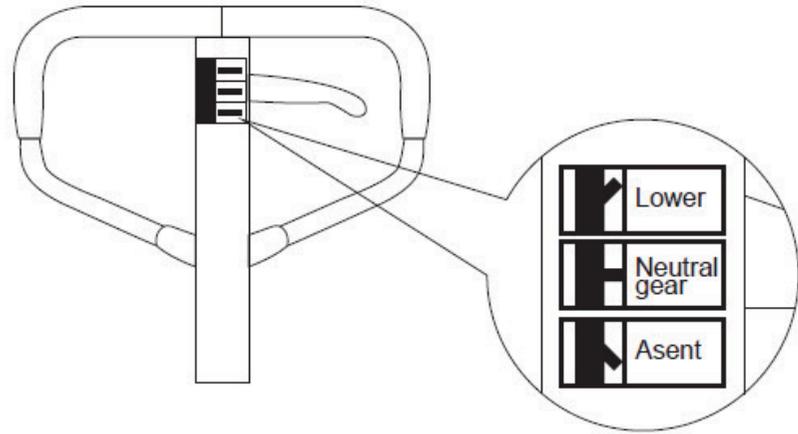
d) If the control handle is placed in the lower position and the fork does not rise when the handle is pumped, turn the adjusting nut anticlockwise until the fork rises.

e) The above adjustment method can also be fine-tuned with the adjusting screw and then locked with the nut.

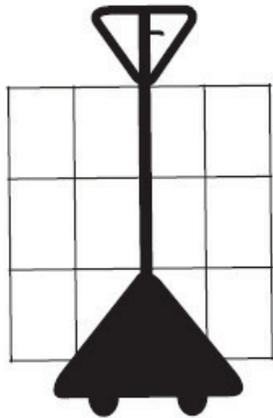
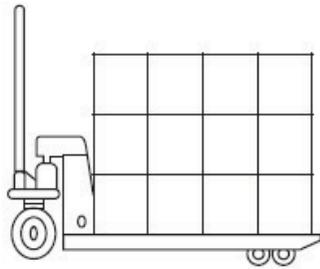
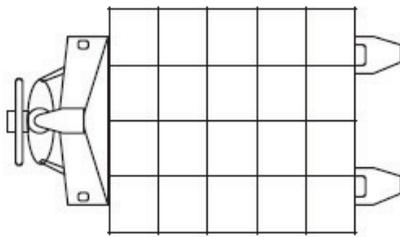
## 6. Troubleshooting

Issue / Fault	Cause Analysis	Solution
<b>The fork cannot be raised to the highest position</b>	-Lack of hydraulic oil	-Replenish hydraulic oil
<b>Forks can't raise</b>	-There is no hydraulic oil -Dirty hydraulic oil -The adjusting screw on the swing rod is too high which makes the unloading valve remain open -Air in hydraulic oil	-Replenish hydraulic oil -Change hydraulic oil -Adjusting screws on swing rod. -Exhaust air by opening hydraulic valve and pumping handle.
<b>Forks cannot be lowered</b>	-The piston rod or oil cylinder is deformed because the goods are tilted to one side or overloaded -When the fork stops at a higher position for a long time, the piston rod is exposed and rusted for a long time, which blocks the movement of the piston rod -The adjusting screw on the swing rod is positioned to low to open the unloading valve -The roller is rusted	-Disassemble and replace the piston rod and oil cylinder -When not in use, place the fork at the lowest position and pay attention to the lubrication of each mandrel -Adjusting screw -Pay attention to lubrication and replace the roller.
<b>Leakage</b>	-Worn or damaged seals -Some parts are broken or worn	-Replacement needed, please refer to part list -Replacement needed, please refer to part list
<b>When the release valve does not open, the fork drops</b>	-The dirty hydraulic oil causes the hydraulic valve not to close firmly -Some hydraulic components are broken or worn -Air in hydraulic oil -The seal is damaged -The position of the adjusting screw on the swing rod is not correct	-Change hydraulic oil -Replace the damaged parts -Remove the air -Replace the damaged seal -Adjusting screw

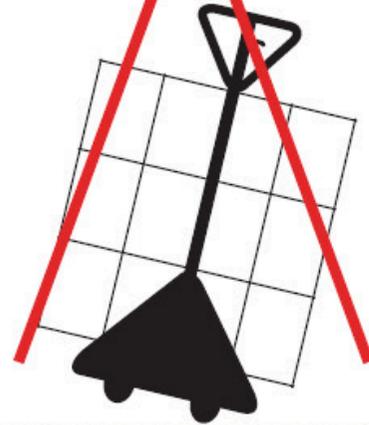
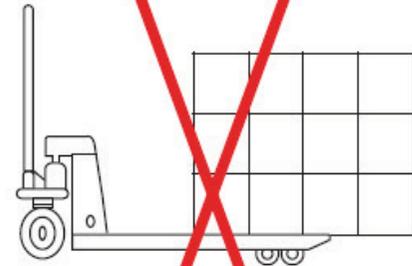
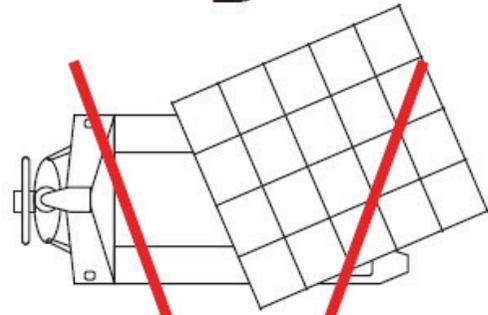
**\*Note: It is forbidden to repair the vehicle without authorization or training.**

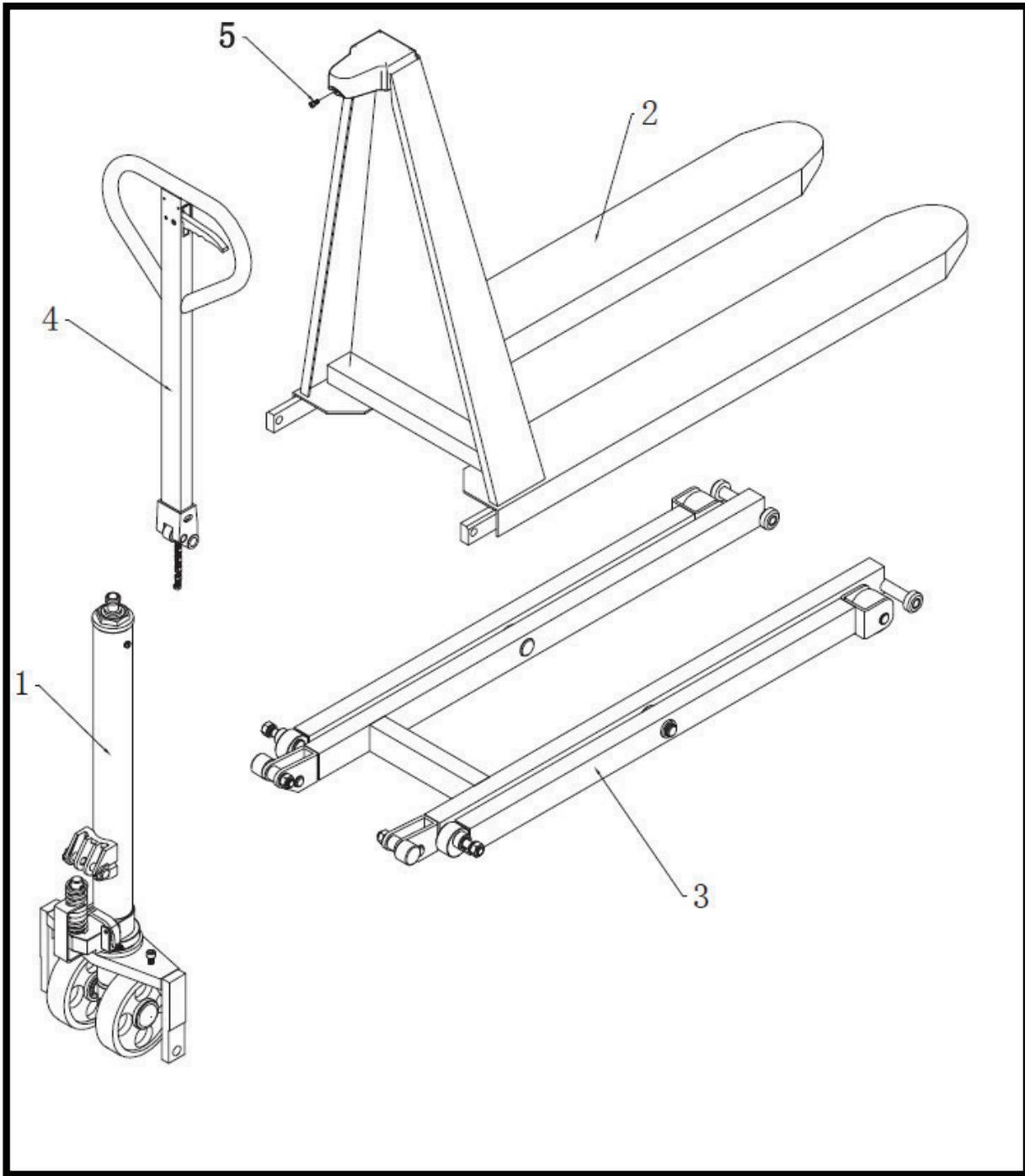


**A**

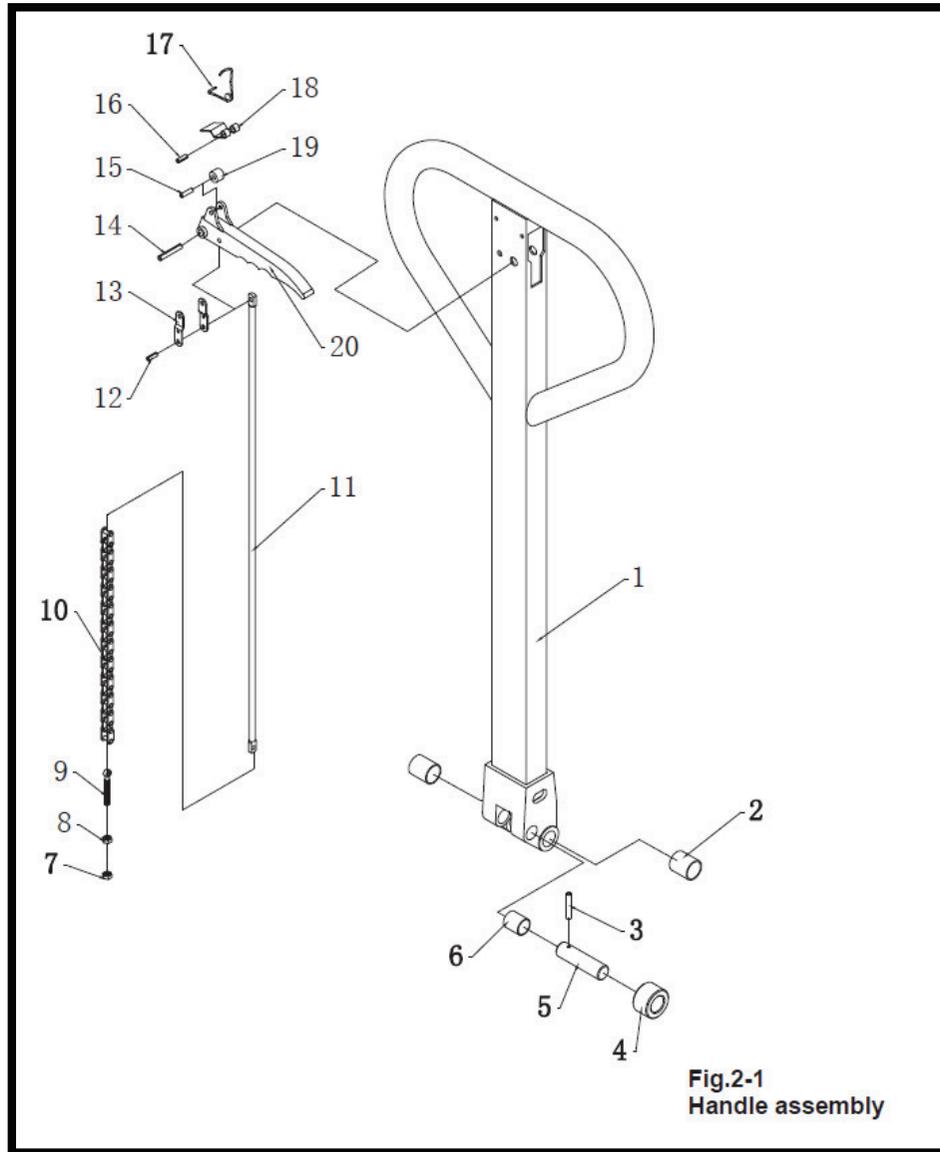


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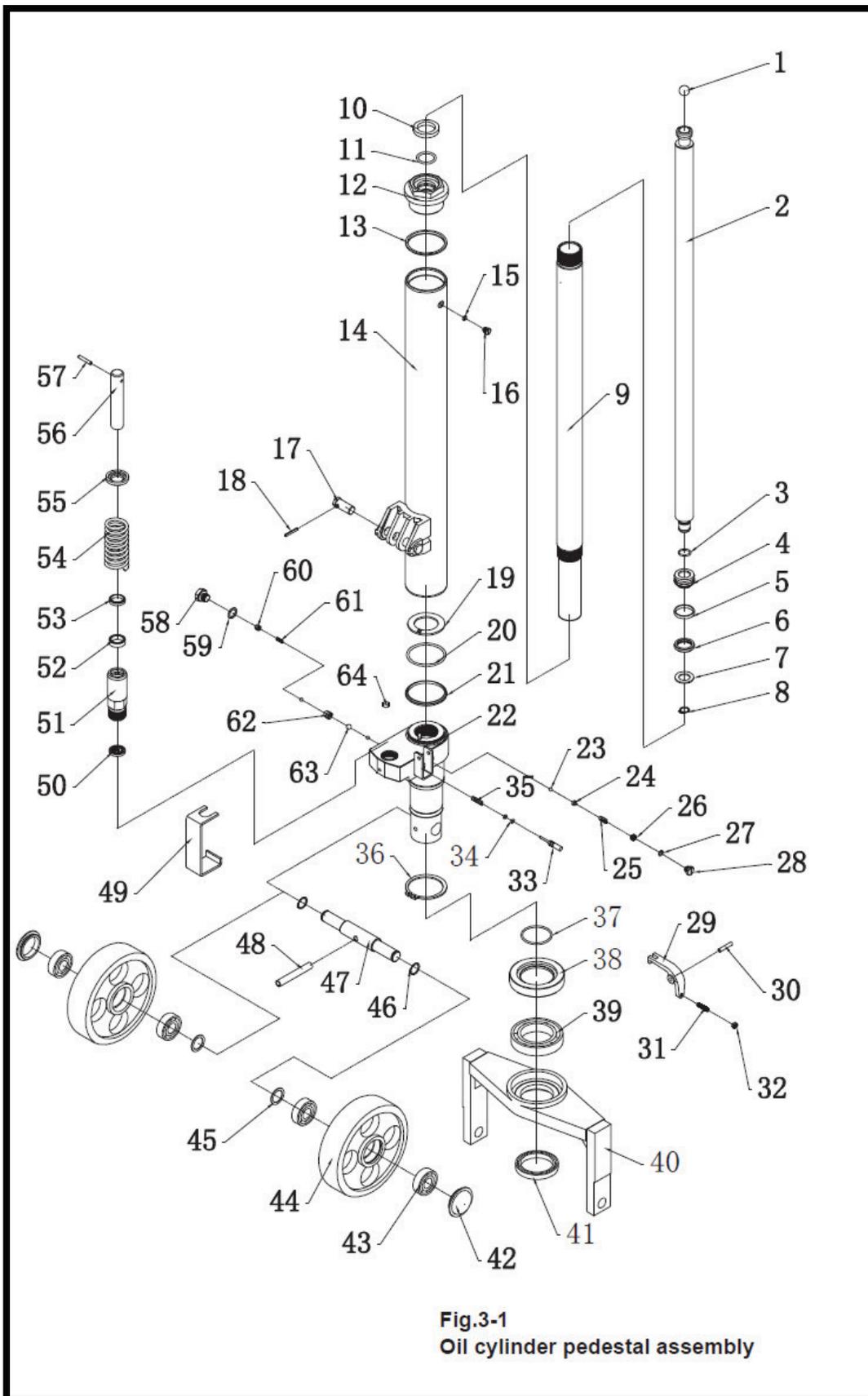




NO	Part name	QTY	Remarks
1	Oil cylinder pedestal assembly	1	see Fig 3-1 (MP582)
2	Frame Assembly	1	
3	Lifting bracket assembly	1	See Fig 4
4	Handle assembly	1	see Fig 2-1 (MP589)
5	Hexagon socket screw M6 X 12	1	

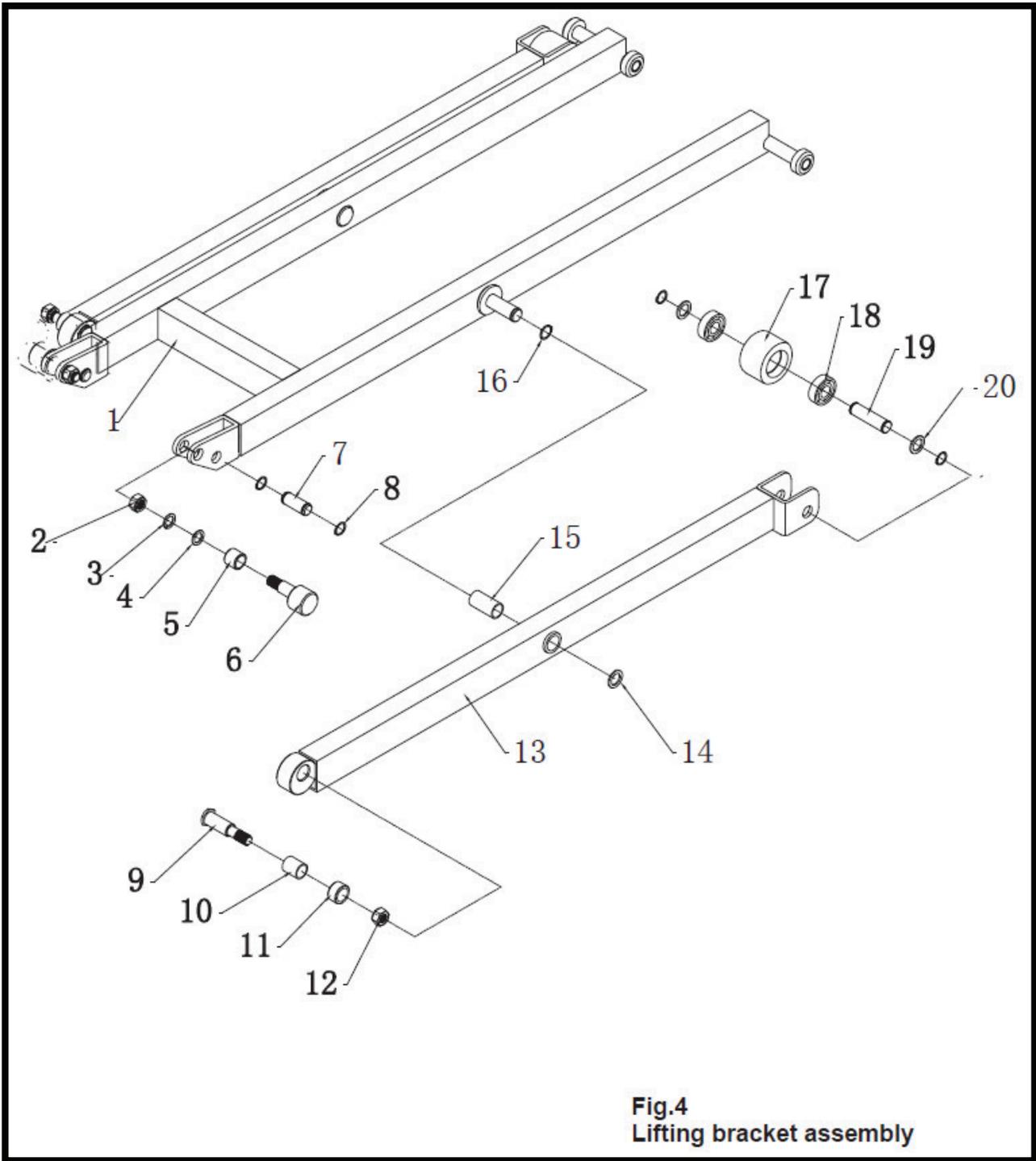


NO	Part name	QTY	NO	Part name	QTY
1	Handle weldment	1	11	Long connecting rod	1
2	Composite Bushing $\Phi$ 15 X $\Phi$ 18 X 15	2	12	Elastic pin $\Phi$ 4 X 12	1
3	Elastic pin $\Phi$ 3 X 24	1	13	Connector	2
4	Roller	1	14	Elastic pin $\Phi$ 6 X 30	1
5	Compressor shaft	1	15	Elastic pin $\Phi$ 4 X 15	1
6	Composite bushing $\Phi$ 16 X $\Phi$ 18 X 20	1	16	Elastic pin $\Phi$ 4 X 30	1
7	Lock nut M8	1	17	Torsion spring	1
8	Nut M8	1	18	Folding	1
9	Hinge bolt	1	19	Small roller	1
10	Roller chain 25h / 18 section	1	20	Control handle	1



**Fig.3-1**  
Oil cylinder pedestal assembly

NO	Part name	QTY	Remarks	NO	Part name	Remarks
1	Steel balls $\Phi$ 18	1	-	33	Drain rod	-
2	Lifting Rod	1	-	34	O-ring d4.87 x 1.8	MP599
3	O-ring D16.3 X 2.4	1	MP590	35	Oil drain rod spring	-
4	Plug ring	1	-	36	Shaft retaining ring $\Phi$ 60	-
5	Wear resistant belt D32 X D35 X 5.4	1	MP591	37	O-ring D40 x 3.55	MP600
6	Combined seal ring	1	MP592	38	Bearing block	-
7	Flat pad $\Phi$ 20	1	-	39	Bearing 51112	-
8	Split ring $\Phi$ 15	1	-	40	Pedestal plate weldment	540/685
9	Lifting cylinder	1	-	41	Bearing 51112	-
10	Framework oil seal D 32 X D45 X 7	1	-	42	Dust cover	-
11	O-ring d31.5 X 3.55	1	MP593	43	Bearing 6204	MK984
12	Cylinder nut	1	-	44	Rear wheel $\Phi$ 180 X 50	MN256
13	J-ring D66 X d52.5 x 5	1	MP594	45	Flat pad $\Phi$ 20	-
14	Cylinder weldment	1	-	46	Shaft retaining ring $\Phi$ 20	-
15	O-ring D5 x 2.65	1	MP595	47	Rear axle	-
16	Filler screw	1	-	48	Elastic pin $\Phi$ 8 X 55	-
17	Handle pin	2	-	49	Spring buckle	-
18	Elastic pin $\Phi$ 4 X 30	2	-	50	Filter pad compression cylinder	-
19	Washer	1	-	51	Compression cylinder	-
20	O-ring D66 X D72.5 X 5	1	MP596	52	Y-ring D22 X D28 X 8	MP601
21	J-ring D66 X d72.5 x 5	1	MP597	53	Dust ring D22 X D28 X 4.5/6	-
22	Valve plate weldment	1	-	54	Conical Spring	MP583
23	Steel balls $\Phi$ 6	1	-	55	Spring pad	-
24	Spring seat	1	-	56	Compression bar	-
25	Pressure regulating spring	1	-	57	Cylindrical pin $\Phi$ 5 X 30	-
26	Pressure regulating screw	1	-	58	Oil valve sealing bolt	-
27	O-ring D8 X 1.8	1	MP598	59	Red copper washer $\Phi$ 20 X 1.2	-
28	Pressure regulating sealing screw	1	-	60	Valve sleeve spring	-
29	Swing bar	1	-	61	Spool spring	-
30	Elastic pin $\Phi$ 6 X 30	1	-	62	Valve sleeve spring	-
31	Slotted flat end set screw M6 X 25	1	-	63	Steel balls $\Phi$ 9	-
32	NUT M6	1	-	64	Magnet $\Phi$ 10 X 3	-



<b>NO</b>	<b>Part name</b>	<b>QTY</b>	<b>Remark</b>
1	Inner lifting bracket weldment	1	-
2	Nut M16	2	-
3	Spring pad $\Phi$ 16	2	-
4	Flat gasket $\Phi$ 16	2	-
5	Support shaft spacer	2	-
6	Support shaft spacer	2	-
7	Pedestal pin	2	-
8	Shaft retaining ring $\Phi$ 20	8	-
9	Eccentric pin	2	-
10	Composite bushing $\Phi$ 22 X $\Phi$ 26 X 30	2	-
11	Eccentric pin shaft spacer	2	-
12	Lock nut M16 X 1.5	2	-
13	External lifting bracket weldment	2	-
14	Flat gasket $\Phi$ 22	2	-
15	Composite bushing $\Phi$ 22 X $\Phi$ 26 X 50	2	-
16	Shaft retaining ring $\Phi$ 22	2	-
17	Front wheel $\Phi$ 74 X 50	2	MP581
18	Bearing 6204	4	MK984
19	Fork shaft	2	-
20	Flat pad $\Phi$ 20	4	