



HYDRAULIC SCISSOR LIFTING TABLE OPERATION INSTRUCTIONS



Carefully read the instructions and obey all kinds of warning labels before operation.
Please confirm that the vehicle is safe without damage.

SYTJ HYDRAULIC SCISSOR LIFTING TABLE

Operation manual

catalog



WARNING

If this operation manual is not followed, the quality assurance of 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.....	01
2.Purpose.....	01
3.Safety Guide.....	01
4.Operation instruction.....	01
5.Troubleshooting.....	02
6.Use and maintenance.....	02
7.technical parameter.....	03
8.Exploded view of product breakdown.....	04
8.1 SYTJ-S50W.....	04-07
8.2 SYTJ-S100W.....	08-11

SYTJ HYDRAULIC SCISSOR LIFTING TABLE

Operation manual

1、Product introduction

Welcome to use the company's latest production of sytj manual hydraulic scissor platform vehicles, this series of models are: SYTJ-S50w, SYTJ-S100w (double shear type external cylinder). This series of models have the advantages of good rigidity, high strength, durability and easy operation. For your safety and correct operation, please read this manual and all kinds of warning labels on the car carefully before use.

2、Purpose

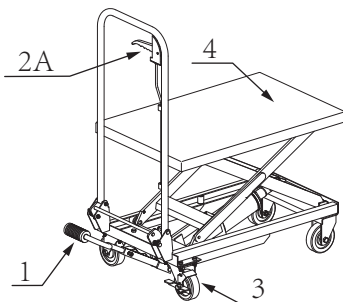
Sytj manual hydraulic scissor type vehicle has the advantages of free lifting, flexible walking, convenient operation, beautiful style and no pollution. It can be widely used as a temporary working platform for goods handling in workshops, warehouses, freight yards and other small sites. It is an ideal tool to reduce fatigue strength, improve production efficiency and realize safe loading and unloading.

3、Safety Guide

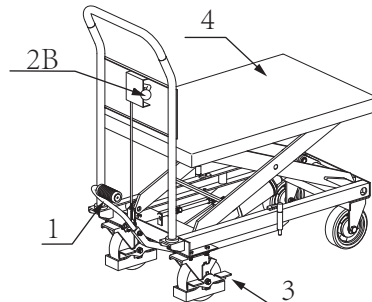
1. The operator must read this manual carefully before use.
2. The load of the platform shall not exceed its rated load.
3. It is forbidden to ride on the platform vehicle.
4. When the platform rises or the platform does not move, the foot brake should be applied tightly to prevent car sliding.
5. It is not allowed to move the vehicle body or carry goods when the platform of the platform car is high.
6. Only use platform vehicle on smooth and flat ground.
7. When descending, the control handle should be pulled slowly to make the goods fall slowly and steadily.
8. It is strictly forbidden to put hands and feet under the working platform and touch the lifting scissors.
9. Our company will not be responsible for any damage caused by not following the above warning and instructions.

4、Operation

4.1、Diagram of truck body



Folding handle



Fixed handle

4.2 operation

1. Step on the foot handle (1) repeatedly with the foot to lift the working platform.
2. When the control handle (2b) is pressed down (the folding handle is: hold the control handle (2a) upward), the working platform (4) will descend. The force of pressing down can control the descending speed. Release the control handle to restore the state, and the platform (4) can stop descending.
3. Before loading, the rear wheel brake (3) must be braked to avoid accidents.

5、Fault cause analysis and troubleshooting

Fault phenomenon	Cause analysis	processing method
Platform cannot rise	-There is no oil in the cylinder -Oil drain screw or steel ball not in place	-Add hydraulic oil -Readjust or clean the drain screw or steel ball
The platform cannot stop at the rising position and slide down slowly	-Oil drain screw or steel ball not in place	-Readjust or clean the drain screw or steel ball
The platform cannot descend	-The YSD seal ring has been damaged -Loosen the universal joint and rotate freely -The drain screw is not open	-Replace YXD type sealing ring -Check if the universal joint is installed -Readjust the drain screw
Oil leakage at drain screw	-O-ring damaged	-Replace the O-ring
The platform truck cannot lift the rated weight	-The pressure regulating spring is invalid	-Replace the pressure regulating spring

6、Maintain

1. Each friction part must be filled with lubricating oil once a month.
2. Check the movement and friction of the wheel and keep the wheel in normal condition.
3. Check whether the rear wheel brake is effective.
4. Check the hydraulic cylinder for oil leakage.

7、Technical parameter

Double scissors

Item	Unit	SYTJ-S50W	SYTJ-S100W
Rated load	kg	500	1000
Minimum platform height	mm	500	500
Maximum height of platform after lifting	mm	1700	1700
Platform size	mm	1200×610×60	1200×610×60
Wheel size	mm	Φ150×50	Φ150×50
Height of handle from the ground	mm	1020	1020
Times of platform lifting to max. pump pressure		≧145	≧145
Dead weight	kg	160	190

*The company reserves the right to change product design and specifications without prior notice.

8、Product explosion diagram and bill of materials

SYTJ-S50W

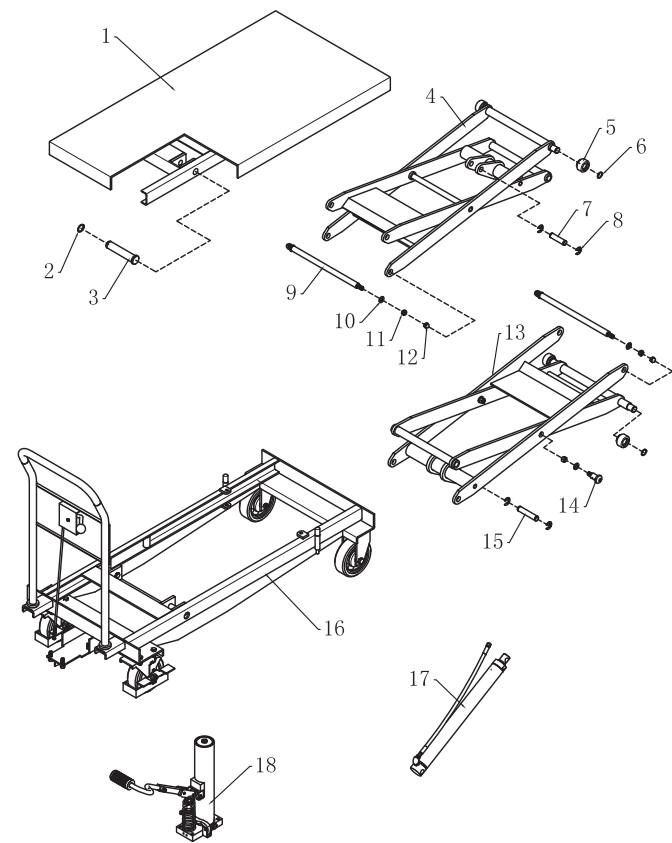


Fig.1

NO.	Part name	QTY	NO.	Part name	QTY	Remarks
1	Platform plate weldment	1	10	Flat cushion Φ 30	4	
2	Shaft retaining ring Φ 20	2	11	Jam nut M12	6	
3	Platform pin	2	12	Cap nut M12	4	
4	Lifting bracket weldment	1	13	Lower lifting bracket weldment	1	
5	Upper and lower rollers	4	14	Lower central axis	2	
6	Shaft retaining ring Φ 22	4	15	Lifting cylinder pin	1	
7	Lifting rod pin	1	16	frame assembly	1	See Fig.2
8	Split ring Φ 15	4	17	Cylinder assembly	1	See Fig.3
9	Supporting shaft	2	18	External cylinder assembly	1	See Fig.4

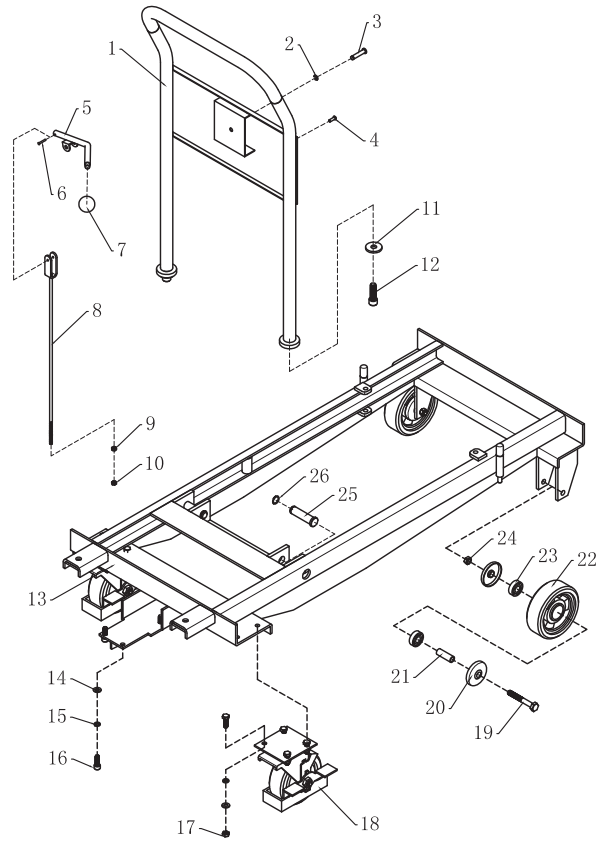


Fig.2
Frame assembly

NO.	Part name	QTY	NO.	Part name	QTY
1	Handle	1	14	Flat cushion Φ 10	11
2	Split ring Φ 6	1	15	Spring pad Φ 10	11
3	Handle pin	1	16	Hexagon bolt M10 $\times$ 30	11
4	Blind rivet Φ 5 $\times$ 16	6	17	Nut M10	8
5	Control handle	1	18	Rear wheel set	2
6	Rivet Φ 3 $\times$ 25	1	19	Hexagon bolt M12 $\times$ 90	2
7	Bakelite handball	1	20	Bearing cover	4
8	Handle rod	1	21	Bolt sleeve	2
9	NUT M6	1	22	Front wheel Φ 150 $\times$ 50	2
10	LOCK NUT M6	1	23	Bearing 6203	4
11	Handle seat gasket	2	24	Jam nut M12	2
12	Hexagon bolt M12 $\times$ 40	2	25	Frame pin	2
13	Frame weldment	1	26	Shaft retaining ring Φ 20	2

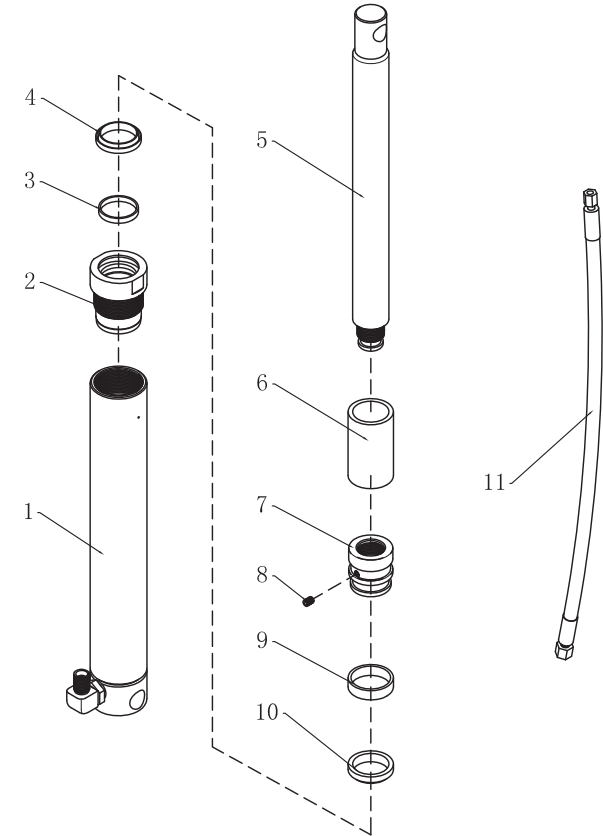


Fig.3
Cylinder assembly

NO.	Part name	QTY
1	Lifting cylinder weldment	1
2	Cylinder nut	1
3	Wear resistant belt d35 $\times$ D32 $\times$ 5.2	1
4	Dust ring d40 $\times$ D32 $\times$ 5 / 6.5	1
5	Lifting rod	1
6	Cylinder top sleeve	1
7	Piston sleeve	1
8	Hexagon socket flat end set screw M6 $\times$ 8	1
9	Wear resistant belt d40 $\times$ D35 $\times$ 10	1
10	Y-ring d40 $\times$ D32 $\times$ 8	1
11	Tubing M14 $\times$ 1.5/1000	1

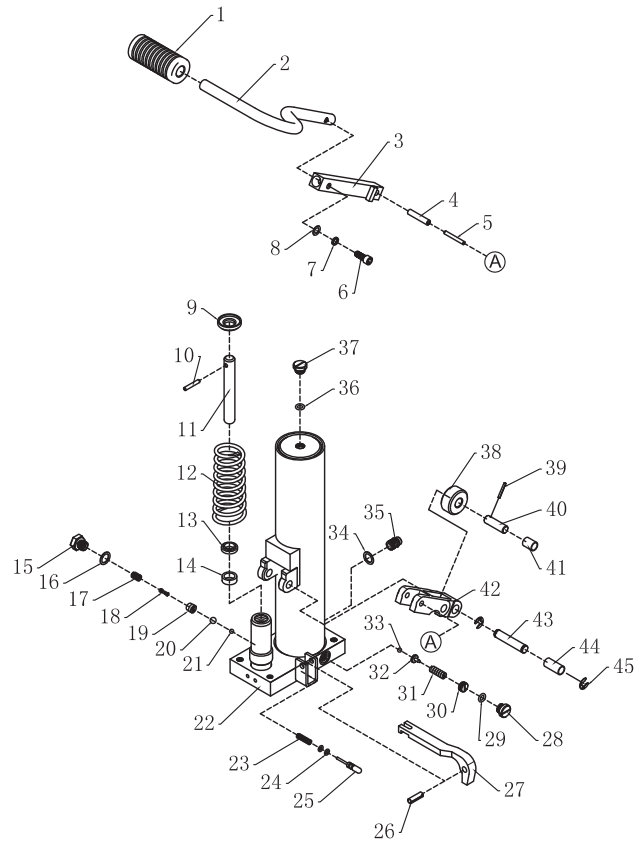


Fig.4
External cylinder assembly

NO.	Part name	QTY	NO.	Part name	QTY	NO.	Part name	QTY
1	Rubber sleeve	1	16	Copper washer	1	31	Pressure regulating spring	1
2	Foot handle	1	17	Valve sleeve spring	1	32	Pressure regulating spring seat	1
3	Welding parts of step bar	1	18	Spool spring	1	33	Steel ball s $\Phi 6$	1
4	Elastic pin $\Phi 8 \times 40$	1	19	Valve sleeve	1	34	Combined washer $\Phi 14$	1
5	Cylindrical pin $\Phi 5 \times 40$	1	20	Steel ball s $\Phi 9$	1	35	Straight joint M14 $\times 1.5$	1
6	Hexagon socket head screw M8 $\times 20$	1	21	Steel ball s $\Phi 6$	2	36	O-ring d11.2 $\times 2.65$	1
7	Spring pad $\Phi 8$	1	22	Valve plate weldment	1	37	Oil hole screw	1
8	Flat pad $\Phi 8$	1	23	Oil drain rod spring	1	38	Roller	1
9	Spring washer	1	24	O-ring D8 $\times 1.8$	2	39	Elastic pin $\Phi 3 \times 24$	1
10	Cylindrical pin $\Phi 5 \times 32$	1	25	Oil drain rod	1	40	Compression axle	1
11	Compression bar	1	26	Elastic pin $\Phi 8 \times 25$	1	41	Composite bushing d12 $\times$ D14 $\times 18$	1
12	Conical spring	1	27	Swing bar	1	42	Step on the lever	1
13	Dust ring d24 $\times$ D16 $\times 4.5/6$	1	28	Pressure regulating valve sealing screw	1	43	Cylinder trunnion	1
14	Y-ring d22 $\times$ D16 $\times 8$	1	29	O-ring d11.2 $\times 2.65$	1	44	Composite bushing d12 $\times$ D14 $\times 30$	1
15	Oil valve sealing bolt	1	30	Pressure regulating screw	1	45	Split ring $\Phi 9$	2

SYTJ-S100W

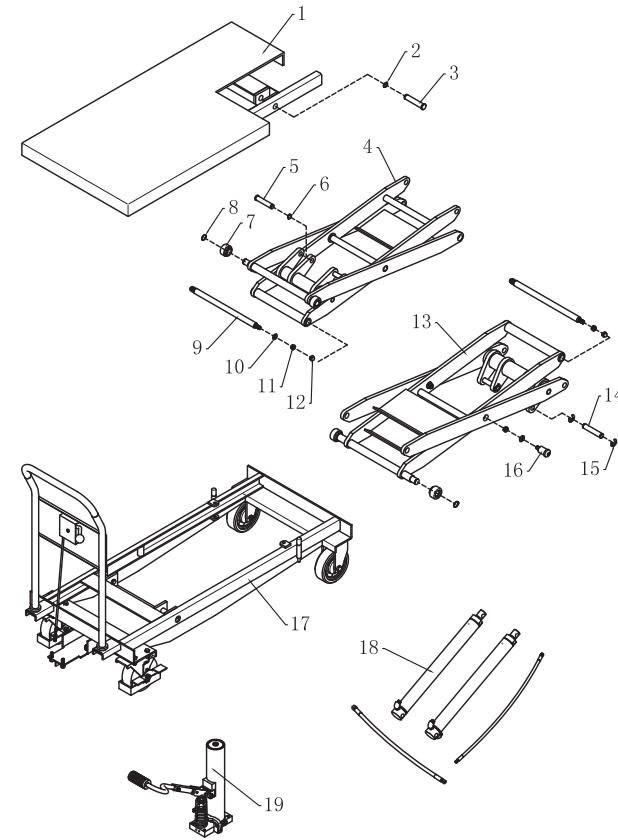


Fig.1

NO.	Part name	QTY	NO.	Part name	QTY	Remarks
1	Platform plate weldment	1	11	Jam nut M12	6	
2	Shaft retaining ring $\Phi 20$	2	12	Cover nut M12	4	
3	Platform pin	2	13	Lower lifting bracket weldment	1	
4	Lifting bracket weldment	1	14	Lifting cylinder pin	2	
5	Lifting rod pin	2	15	Split ring $\Phi 15$	4	
6	Shaft retaining ring $\Phi 18$	2	16	Lower central axis	2	
7	Upper and lower rollers	4	17	frame assembly	1	see fig.2
8	Shaft retaining ring $\Phi 22$	4	18	Cylinder assembly	1	see fig.3
9	Supporting shaft	2	19	External cylinder assembly	1	see fig.4
10	Flat cushion $\Phi 30$	6				

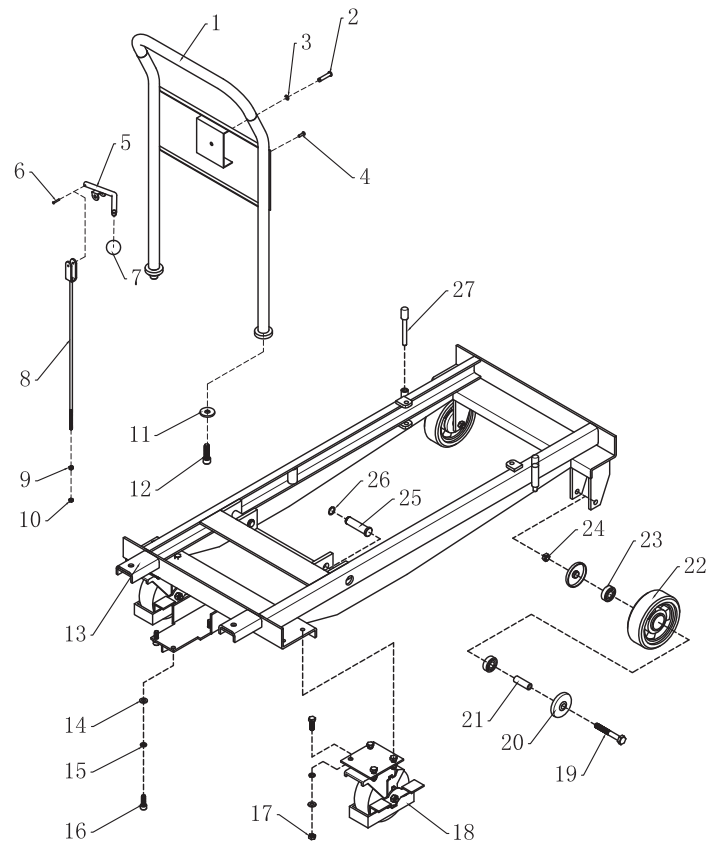


Fig.2
Frame assembly

NO.	Part name	QTY	NO.	Part name	QTY	NO.	Part name	QTY
1	Handle weldment	1	10	LOCK NUT M6	1	19	Hexagon bolt M12 × 90	2
2	Handle pin	1	11	Handle seat gasket	2	20	Bearing cover	4
3	Split ring Φ 6	1	12	Hexagon bolt M12 × 40	2	21	Bolt sleeve	2
4	Blind rivet Φ 5 × 16	6	13	Frame weldment	1	22	front wheel	2
5	Control handle weldment	1	14	Flat cushion Φ 10	11	23	Bearing 6203	4
6	Rivet Φ 3 × 25	1	15	Spring pad Φ 10	11	24	Jam nut M12	2
7	Bakelite handball	1	16	Hexagon bolt M10 × 30	11	25	Frame pin	2
8	Handle pull rod weldment	1	17	Nut M10	8	26	Shaft retaining ring Φ 20	2
9	NUT M6	1	18	Rear wheel group Φ 150 × 50	2	27	Limit shaft	2

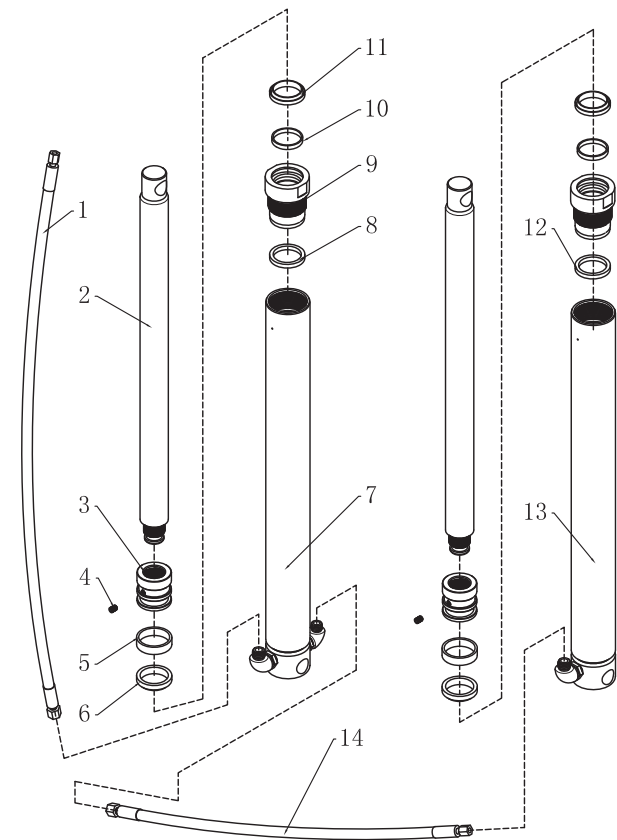


Fig.3
Cylinder assembly

NO.	Part name	QTY	NO.	Part name	QTY
1	Tubing M14 × 1.5/800	1	8	Cylinder top sleeve 2	1
2	Lifting rod	2	9	Cylinder nut	2
3	piston	2	10	Wear resistant belt d35 × D32 × 5.2	2
4	Hexagon socket flat end set screw M6 × 8	2	11	Dust ring d40 × D32 × 5 / 6.5	2
5	Wear resistant belt d40 × D35 × 10	2	12	Cylinder top sleeve 1	1
6	Y-ring d40 × D32 × 8	2	13	Lifting cylinder weldment 2	1
7	Lifting cylinder weldment 1	1	14	Tubing M14 × 1.5/390	1

Regular maintenance record

Please maintain regularly according to the time specified in the routine maintenance form, and record in the following form at the same time.
Note: the fault caused by the failure of maintenance within the specified time is not covered by the product warranty.

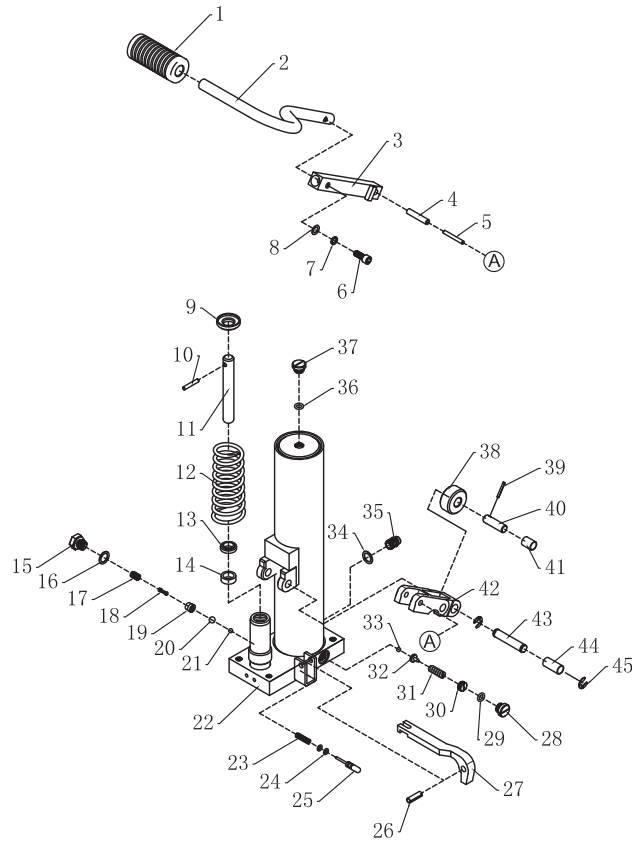


Fig.4
External cylinder assembly

NO.	Part name	QTY	NO.	Part name	QTY	NO.	Part name	QTY
1	Rubber sleeve	1	16	Copper washer	1	31	Pressure regulating spring	1
2	Pedal handle	1	17	Valve sleeve spring	1	32	Pressure regulating spring seat	1
3	Rocker weldment	1	18	Spool spring	1	33	Steel ball s Φ 6	1
4	Elastic pin Φ 8 × 40	1	19	Valve sleeve	1	34	Combined washer Φ 14	1
5	Cylindrical pin Φ 5 × 40	1	20	Steel ball s Φ 9	1	35	Straight joint M14 × 1.5	1
6	Hexagon socket screw M8 × 20	1	21	Steel ball s Φ 6	2	36	O-ring d11.2 × 2.65	1
7	Spring pad Φ 8	1	22	Valve plate weldment	1	37	Oil hole screw	1
8	Flat cushion Φ 8	1	23	Oil drain rod spring	1	38	Roller	1
9	Spring pad	1	24	O-ring D8 × 1.8	2	39	Elastic pin Φ 3 × 24	1
10	Cylindrical pin Φ 5 × 32	1	25	Oil drain rod	1	40	Compression axle	1
11	Compression bar	1	26	Elastic pin Φ 8 × 25	1	41	Composite bushing d12 × D14 × 18	1
12	Conical spring	1	27	Swing bar	1	42	Step on the lever	1
13	Dust ring d24 × D16 × 4.5/6	1	28	Pressure regulating valve sealing screw	1	43	Cylinder trunnion	1
14	Y-ring d22 × D16 × 8	1	29	O-ring d11.2 × 2.65	1	44	Composite bushing d12 × D14 × 30	1
15	Oil valve sealing bolt	1	30	Pressure regulating screw	1	45	Split ring Φ 9	2

3 months after purchase	6 months after purchase	9 months after purchase
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
(sign)	(sign)	(sign)
1 year after purchase	1 year and 3 months after purchase	1 year and 6 months after purchase
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
(sign)	(sign)	(sign)
1 year and 9 months after purchase	2 years after purchase	2 years and 3 months after purchase
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
(sign)	(sign)	(sign)
2 years and 6 months after purchase	2 years and 9 months after purchase	3 years after purchase
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
(sign)	(sign)	(sign)
3 years and 3 months after purchase	3 years and 6 months after purchase	3 years and 9 months after purchase
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
(sign)	(sign)	(sign)
4 years after purchase	4 years and 3 months after purchase	4 years and 6 months after purchase
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
(sign)	(sign)	(sign)
4 years and 9 months after purchase	5 years after purchase	5 years and 3 months after purchase
Maintainer:	Maintainer:	Maintainer:
Maintenance date:	Maintenance date:	Maintenance date:
(sign)	(sign)	(sign)