

PARTS MANUAL

Starke LiftMaxx Series

MSA3300X-118

Manual Hydraulic Stacker
2017-01



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STARKE
LIFTMAXX

- Please read the manual carefully before operation.
- This manual is a common manual. We reserve the right to modify technology of the electric stacker. If there is anything in the manual that is not consistent with the actual stacker, the actual stacker should be considered correct and the manual is only for reference.

Warning

1. MSA3300X-118 manual hydraulic stacker can only be operated indoor on level and solid ground and it is strictly prohibited to operate this stacker in a corrosive environment with acid and alkali.
2. Please read this manual carefully and understand the performance of this stacker before operating; Inspection of the stacker should be conducted carefully every time before operation to ensure that the stacker is in normal condition. It is strictly prohibited to operate a stacker with trouble.
3. It is strictly prohibited to operate the stacker when overloaded. The load capacity and the load center should meet the requirements in the parameter table of this manual.
4. When MSA3300X-118 stacker is used for piling, the gravity center of the goods must be within the two forks and it is strictly prohibited to pile bulk goods.
5. When it is required to transport the goods for a comparatively long distance, the height of the forks from the ground should not exceed 0.5m.
6. When piling goods, it is strictly prohibited for people to stand under the forks or around the stacker.
7. It is strictly prohibited to stand on the forks for operation.
8. When the goods are on high level, the goods should be pushed forward or pulled backward slowly and no cornering is allowed in such a case.

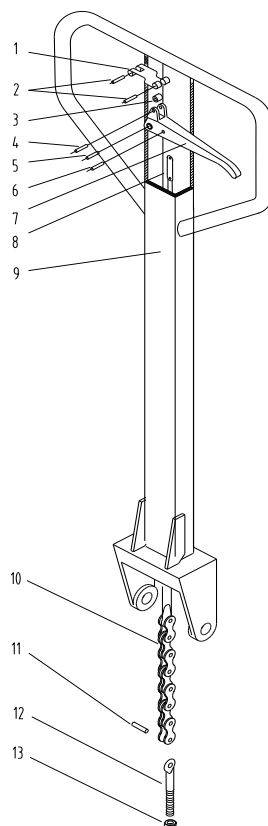
I. Applications

MSA3300X-118 manual hydraulic stacker is a vehicle used for high lift loading and unloading and short distance transportation. As no sparks and electromagnetic field are generated, the stacker is especially suitable for truck loading and unloading as well as the loading and unloading and transportation of flammable and fire prohibited goods in workshops, warehouses, dock, station and freight yard, etc. The stacker is characterized in smooth lifting, flexible cornering and convenient operation, etc. To ensure safe and reliable operation, the universal wheels are equipped with braking device, which are ideal tool for reducing labor intensity, improving production efficiency and achieving safe loading and unloading.

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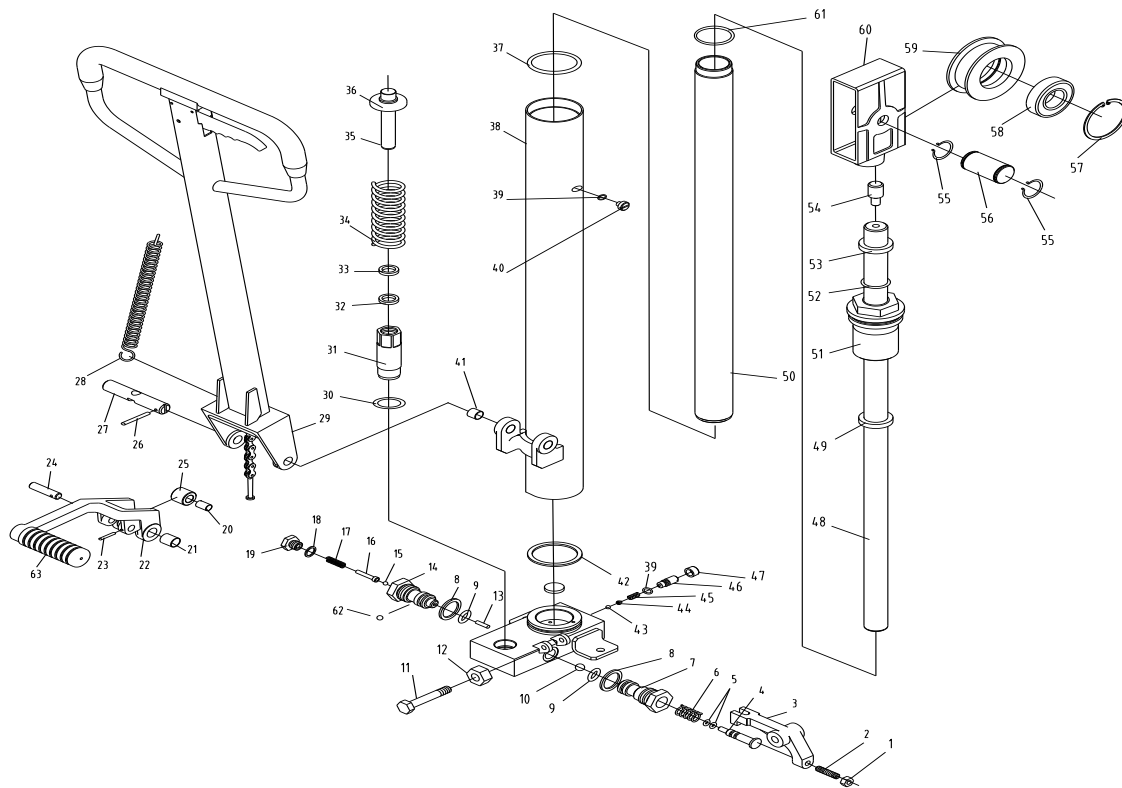
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Hand Lever



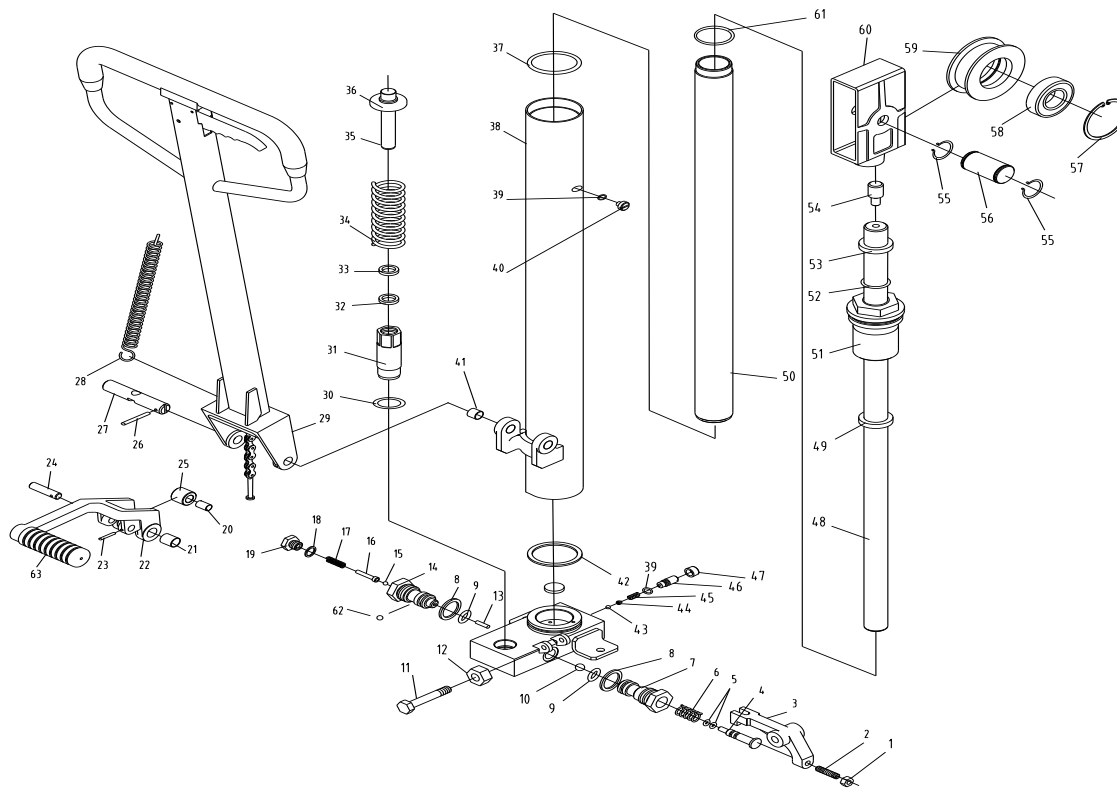
No.	PART NUMBER	DESCRIPTION	Qty	Remarks
1	SDJAS-1500-H1	Locating tab	1	
2	SDJAS-1500-H2	Elastic pin Ø4×32	2	
3	SDJAS-1500-H3	Roller	1	
4	SDJAS-1500-H4	Elastic pin Ø4×20	1	
5	SDJAS-1500-H5	Elastic pin Ø6×32	1	
6	SDJAS-1500-H6	Elastic pin Ø4×20	1	
7	SDJAS-1500-H7	Knob	1	
8	SDJAS-1500-H8	Tension bar	1	
9	SDJAS-1500-H9	Handle	1	
10	SDJAS-1500-H10	Chain	1	
11	SDJAS-1500-H11	Pin	1	
12	SDJAS-1500-H12	Eyelet bolt	1	
13	SDJAS-1500-H13	Lock nut	1	

Jack



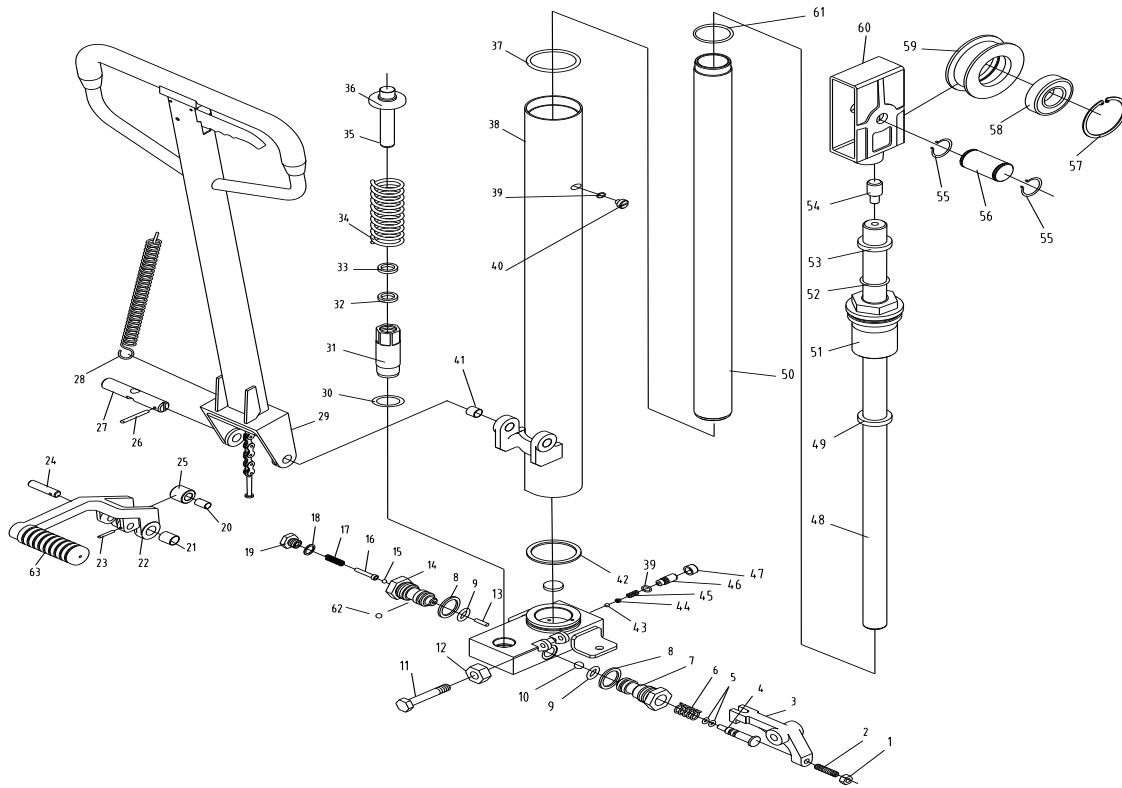
No.	PART NUMBER	DESCRIPTION	Qty	Remarks
1	SDJAS-1500-P1	Hex nut M6	2	
2	SDJAS-1500-P2	Screw M6×25	1	
3	SDJAS-1500-P3	Lever plate	1	
4	SDJAS-1500-P4	Striker	1	
5	SDJAS-1500-P5	O ring Ø4.87×1.8	2	
6	SDJAS-1500-P6	Striker spring	1	
7	SDJAS-1500-P7	Striker valve seat	1	
8	SDJAS-1500-P8	Combined washer Ø20	2	
9	SDJAS-1500-P9	O ringØ12.5×2.65	2	
10	SDJAS-1500-P10	Steel ball Ø8	1	
11	SDJAS-1500-P11	Bolt M8×50	1	
12	SDJAS-1500-P12	NutM8	1	
13	SDJAS-1500-P13	Pin Ø3×15.7	1	
14	SDJAS-1500-P14	Valve seat 1000	1	
15	SDJAS-1500-P15	Steel ball Ø5	1	
16	SDJAS-1500-P16	Pin	1	
17	SDJAS-1500-P17	Valve seat spring	1	
18	SDJAS-1500-P18	Combined washer Ø10	1	
19	SDJAS-1500-P19	Bolt	1	
20	SDJAS-1500-P20	Combined bushing 1220	1	
21	SDJAS-1500-P21	Combined bushing 2017	2	
22	SDJAS-1500-P22	Compressed frame	1	
23	SDJAS-1500-P23	Elastic pin Ø4×24	1	

Jack



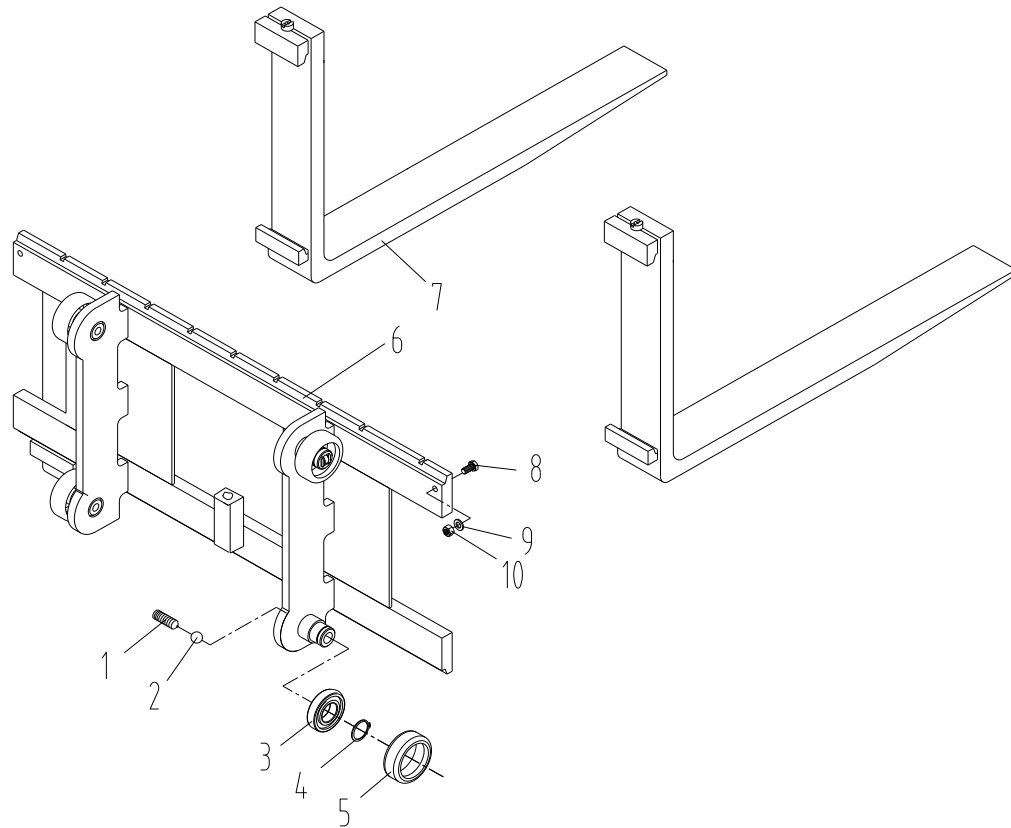
No.	PART NUMBER	DESCRIPTION	Qty	Remarks
24	SDJAS-1500-P24	Axle with a hole	1	
25	SDJAS-1500-P25	Pinch roller	1	
26	SDJAS-1500-P26	Elastic pin Ø5×35	1	
27	SDJAS-1500-P27	Compressed frame bearing pin	1	
28	SDJAS-1500-P28	Tension spring	1	
29	SDJAS-1500-P29	Hand lever	1	
30	SDJAS-1500-P30	O ringØ22.4×2.65	1	
31	SDJAS-1500-P31	Pump cylinderØ14	1	
32	SDJAS-1500-P32	Seal ring Ø14	1	
33	SDJAS-1500-P33	Dust proof ring Ø14	1	
34	SDJAS-1500-P34	Large spring	1	
35	SDJAS-1500-P35	Pump core Ø14	1	
36	SDJAS-1500-P36	Large spring seat	1	
37	SDJAS-1500-P37	O ring Ø65×3.55	1	
38	SDJAS-1500-P38	Cylinder	1	
39	SDJAS-1500-P39	O ring Ø7.5×2.65	2	
40	SDJAS-1500-P40	Oil plug	1	
41	SDJAS-1500-P41	Combined bushing 2012	2	
42	SDJAS-1500-P42	Rectangular seal ring	1	
43	SDJAS-1500-P43	Steel ball Ø6.5	1	
44	SDJAS-1500-P44	Safety valve seat	1	
45	SDJAS-1500-P45	Safety valve spring	1	
46	SDJAS-1500-P46	Safety valve adjusting screw	1	

Jack



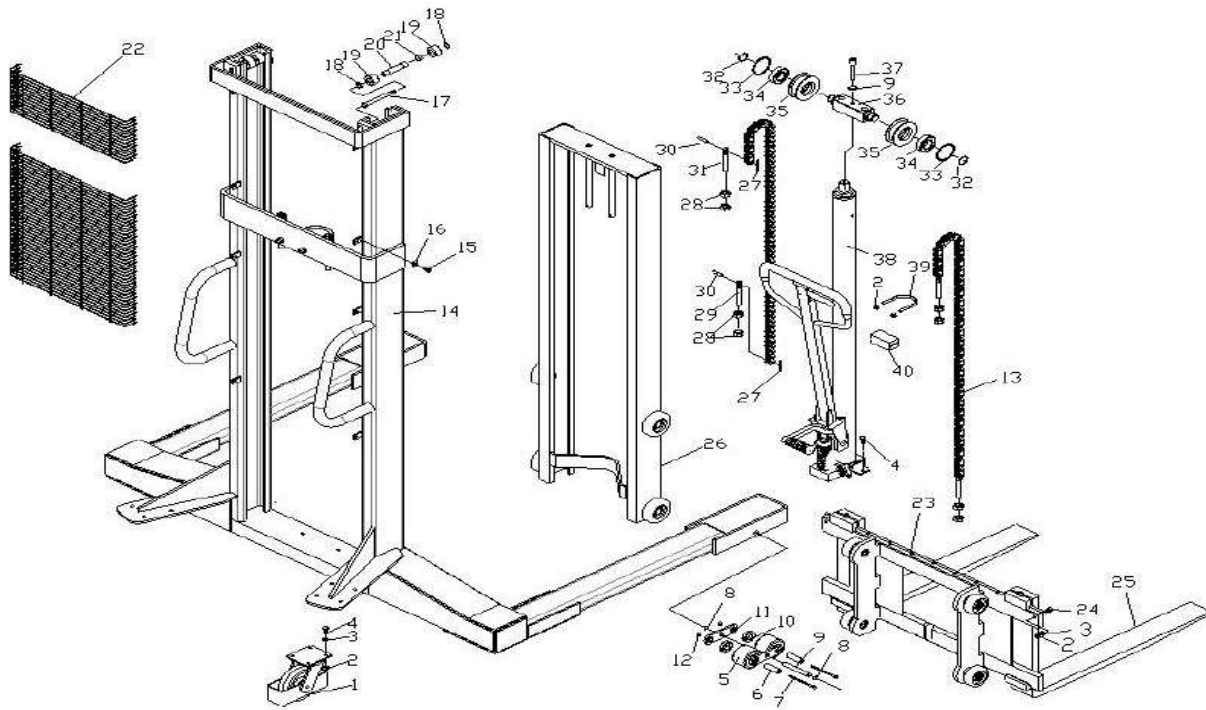
No.	PART NUMBER	DESCRIPTION	Qty	Remarks
47	SDJAS-1500-P47	Safety valve boot	1	
48	SDJAS-1500-P48	Piston rod	1	
49	SDJAS-1500-P49	Seal ring Ø31.5	1	
50	SDJAS-1500-P50	Oil cylinder	1	
51	SDJAS-1500-P51	Top cap	1	
52	SDJAS-1500-P52	O ring Ø31.5×3.55	1	
53	SDJAS-1500-P53	Dust-proof ring Ø31.5	1	
54	SDJAS-1500-P54	Bolt M12×25	1	
55	SDJAS-1500-P55	Axial elastic backing ring Ø35	2	
56	SDJAS-1500-P56	Chain wheel shaft	1	
57	SDJAS-1500-P57	Elastic backing ring for holes Ø72	1	
58	SDJAS-1500-P58	Bearing 60207	1	
59	SDJAS-1500-P59	Chan wheel	1	
60	SDJAS-1500-P60	Chain wheel cover	1	
61	SDJAS-1500-P61	O ring Ø47.5×3.55	1	
62	SDJAS-1500-P62	Steel ball Ø4	1	
63	SDJAS-1500-P63	Rubber sheath	1	

Fork Frame Assembly



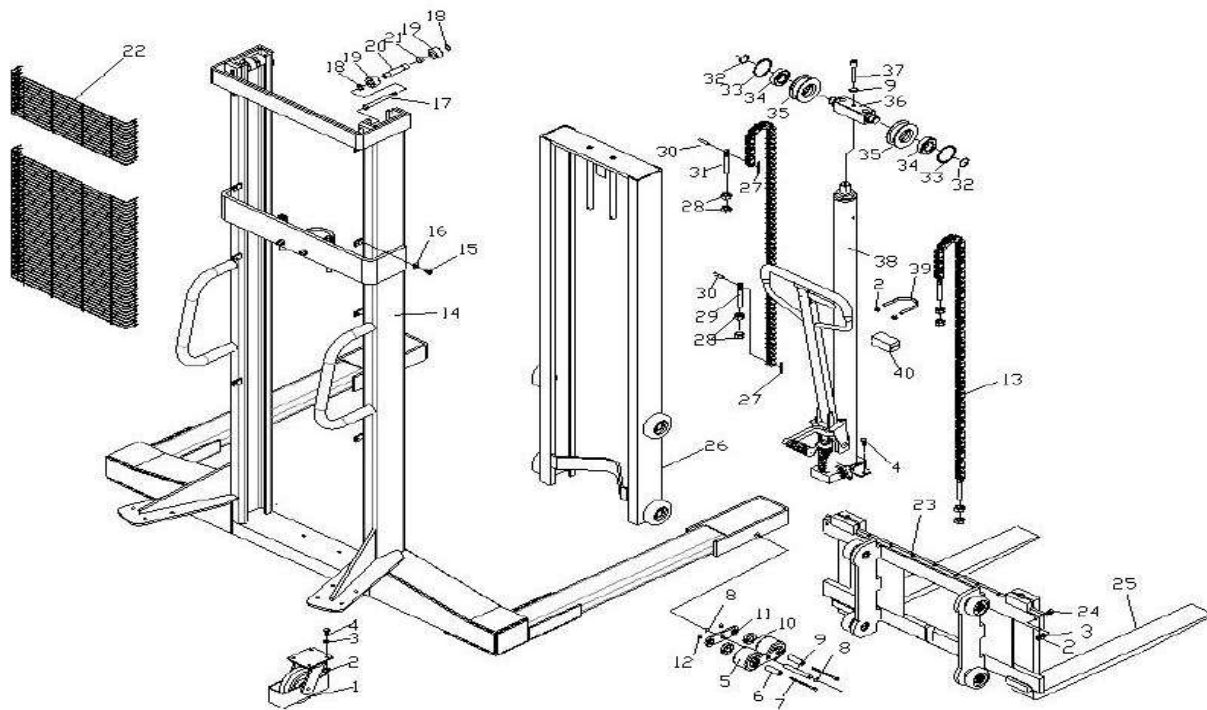
No.	PART NUMBER	DESCRIPTION	Qty	Remarks
1	SDJAS-1500-F1	Locking screw M16×50	4	
2	SDJAS-1500-F2	Steel ball Ø19	4	
3	SDJAS-1500-F3	Bearing 60207	4	
4	SDJAS-1500-F4	Axial elastic backing ring Ø35	4	
5	SDJAS-1500-F5	Large pulley	4	
6	SDJAS-1500-F6	Fork frame	1	
7	SDJAS-1500-F7	Forks	2	
8	SDJAS-1500-F8	Screw M10×35	2	
9	SDJAS-1500-F9	Washer Ø10	2	
10	SDJAS-1500-F10	Nut M10	2	

Final Assembly



No.	PART NUMBER	DESCRIPTION	Qty	Remarks
1	SDJAS-1500-A1	Universal wheel	2	
2	SDJAS-1500-A2	Hex nut M10	10	
3	SDJAS-1500-A3	Washer Ø10	32	
4	SDJAS-1500-A4	Hex bolt M10×25	10	
5	SDJAS-1500-A5	Fork roller Ø83×60	4	
6	SDJAS-1500-A6	Sheath	4	
7	SDJAS-1500-A7	Screw M12×87	4	
8	SDJAS-1500-A8	Retaining ring Ø16	4	
9	SDJAS-1500-A9	Shaft	2	
10	SDJAS-1500-A10	Bearing	8	
11	SDJAS-1500-A11	Plate	4	
12	SDJAS-1500-A12	Bolt M12	4	
13	SDJAS-1500-A13	Chain	2	
14	SDJAS-1500-A14	Frame	1	
15	SDJAS-1500-A15	Screw M6×20	8	
16	SDJAS-1500-A16	Jacket	8	
17	SDJAS-1500-A17	Screw M12×140	2	
18	SDJAS-1500-A18	Retaining ring Ø20	8	
19	SDJAS-1500-A19	Side roller	4	
20	SDJAS-1500-A20	Sheath	2	
21	SDJAS-1500-A21	Sleeve	2	
22	SDJAS-1500-A22	Wire mesh	1	
23	SDJAS-1500-A23	Fork frame	1	

Final Assembly



No.	PART NUMBER	DESCRIPTION	Qty	Remarks
24	SDJAS-1500-A24	Screw M10×35	2	
25	SDJAS-1500-A25	Forks	2	
26	SDJAS-1500-A26	Inner mast assembly	1	
27	SDJAS-1500-A27	Splitpin	4	
28	SDJAS-1500-A28	Nut M16×1.5	10	
29	SDJAS-1500-A29	Chain pin II	2	
30	SDJAS-1500-A30	Pin	4	
31	SDJAS-1500-A31	Chain pin I	2	
32	SDJAS-1500-A32	Retaining ring Ø30	2	
33	SDJAS-1500-A33	Retaining ring Ø62	2	
34	SDJAS-1500-A34	Bearing	2	
35	SDJAS-1500-A35	Chain roller	2	
36	SDJAS-1500-A36	Chain roller shaft	1	
37	SDJAS-1500-A37	Bolt M12×70	1	
38	SDJAS-1500-A38	Cylinder assembly	1	
39	SDJAS-1500-A39	Jacket	1	
40	SDJAS-1500-A40	Rubber sleeve	1	

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