

User's manual

Manual del usuario

Manuel de l'utilisateur

Customer Service
US: 1-800-645-2986

Servicio de atención al Cliente
US: 1-800-645-2986

Service à la clientèle
Canada: 888-645-2986

Self-Propelled Powered Scissor Lift 40" X 24" Table 2000 Lb. Cap.

Model: 988159



Read this manual thoroughly prior to installation, operation or maintenance. Keep these instructions in a safe location for future reference. For questions, visit globalindustrial.com or contact Customer Service at 1-800-645-2986.

Self-Propelled Powered Scissor Lift



- Never LIFT or LOWER the electric lift table while moving it.
- Only move the electric lift table with the platform at the lowest position.

1. WARNING

- DO NOT allow another person to stand in front of or behind lifter when it starts to move.
- ALWAYS travel with table in lowered position. Load could fall down.
- NEVER sit, stand or ride on platform. This can lead to SEVERE PERSONAL INJURY.
- NEVER go under platform. This can lead to SEVERE PERSONAL INJURY or DEATH.
- DO NOT use in area of multilevel floor surface that could create loss control and result in SEVERE INJURY and PROPERTY DAMAGE.
- DO NOT use lifter on slope, uneven or soft surface. Lifter may become uncontrollable. This can lead to SEVERE PERSONAL INJURY and PROPERTY DAMAGE.
- KEEP FEET CLEAR of rolling wheels that could result in SEVERE PERSONAL INJURY.
- DO NOT load one fork more than the other and DO NOT load tips on table. This can lead to SEVERE PERSONAL INJURY and PROPERTY DAMAGE.
- DO NOT overload lifter. ALWAYS stay within designated capacity and load center rating. SEVERE PERSONAL INJURY and PROPERTY DAMAGE could result.
- SHEARING HAZARD. NEVER place hands or feet under lowering table. This could lead to SEVERE PERSONAL INJURY.

2. DAILY INSPECTION

Check all of below before use:

CAUTION
DO NOT use lifter if any malfunctions or damages are found.
<ul style="list-style-type: none">● Check for scratches, deformations, or cracks on the lifter.● Ensure wheels move smoothly.● Check if there is oil leakage.● Check for vertical creep of the table.● Check the brakes.● Check if all the bolts and nuts are tightened firmly.

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3.NAME OF PARTS



4. OPERATING LIFT TABLE

How to use the brake.

CAUTION

Use brakes when not moving the lifter to prevent sudden movement.

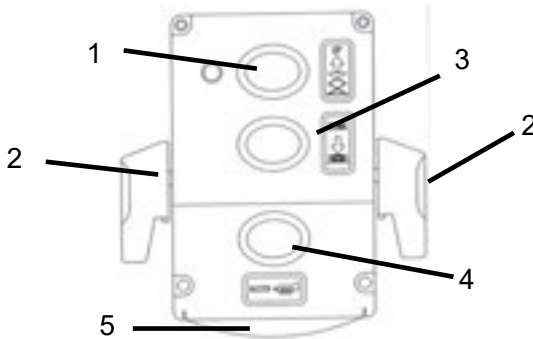
Model is equipped with a fixed Support Brake unit.

5. LIFTING UP FORKS

CAUTION

1. DO NOT overload lifter. Stay within its rated capacity.
2. Prolonged continuous use might cause damage of hydraulic power pack.
3. Stop operation if temperature of hydraulic oil is too high.

Push the button "UP" and the table lift up.



1-Switch for lifting

2-FWD/BWD Turning Button

3-Switch for lowering

4-Horn

5-Reverse Button

6. LOWERING TABLE

CAUTION

DO NOT lower table with load too fast and stop suddenly. Impact load could be created and lifter could be damaged.

Push the button DOWN.

7. MOVING THE LIFTER

WARNING

DO NOT move lifter on slope or inclined surface, otherwise lifter become uncontrollable and create danger. Stop operating the lifter if the load becomes unstable.

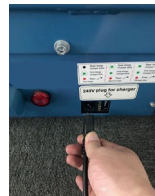
- (1) Make the load stable to prevent it from falling.
- (2) Lower the table down.
- (3) Release the brake and drive the lifter.

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8.CHARGING THE BATTERY

TO charge the battery, follow these steps:

- (1) Push the emergency switch to stop.
- (2) Connect either the 240V or 110V lead(depending on mains supply) to the machine at the point shown.
- (3) Connect the mains lead to a suitable power supply(either 110V or 240V).
- (4) The battery should be fully recharged after a period of 10 hours, which is indicated by the 100% light illuminating on the battery charging indicator panel as shown.



9.REGULAR INSPECTION

Perform the regular inspection for the safety operation.

- (1) Check the items expressed in daily inspection (daily).
- (2) Lubricate with grease the guides where roller moves. Also, lubricate the grease nipples. (Every month)
- (3) Lubricate all the pivoting points and axles. (Every 6 months)
- (4) Replace the hydraulic oil for the first time: Accumulated working ten hours'
- (5) Replace the hydraulic oil. (Every 12 months)

10.TROUBLE SHOOTING

TROUBLE	CAUSE	REPAIR
Platform do not rise while motor does not run.	1.Faulty wiring.	1.Check the wiring referring to the actual wiring diagram.
	2.Battery socket is disconnected	2.Connect the battery socket.
	3.Battery charge is insufficient.	3.Charge the battery.
Platform do not rise while motor runs.	1.Faulty adjustment of relief valve.	1.Adjust relief valve again.
	2.Faulty hydraulic pump.	2.Replace power pack.
	3.Shortage of hydraulic oil.	3.Add oil.
Vertical creep of table.	1.Oil leakage in power pack.	1.Replace lowering valve.
	2.Oil leakage form hydraulic circuit.	2.Check hydraulic circuit and repair.
Oil leakage from cylinder.	Faulty sealing.	Replace sealing.
Oil leakage from piping or joint.	Insufficient tightening or seal in valid.	Tighten joint again or Replace seal.
Oil leakage from air breather.	Excessive quantity of oil.	Reduce oil quantity.

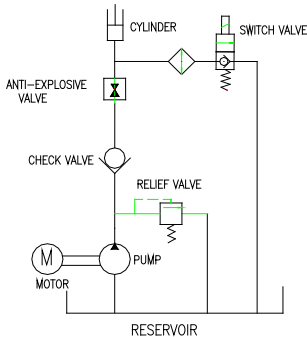
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11. SPECIFICATIONS

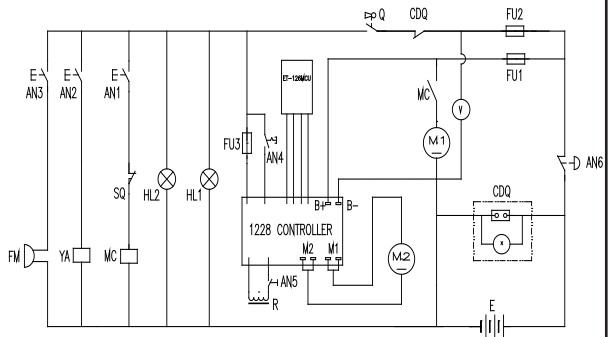
Capacity (lbs)	2000
Table Size (LxW) (inches)	40 X 24
Platform Height (Max/Min) (inches)	72.8 / 20.5
Lifting Cycle	40
Time(Max. Lifting/Lowering) (sec)	15 / 15
Wheel (inches, dia.)	7.9
Overall Size (LxWxH) (inches)	55.1 x 26.4 x 46.1
Net weight (lbs)	646

12. HYDRAULIC CIRCUIT/WIRING DIAGRAM/ACTUAL WIRING DIAGRAM

HYDRAULIC CIRCUIT

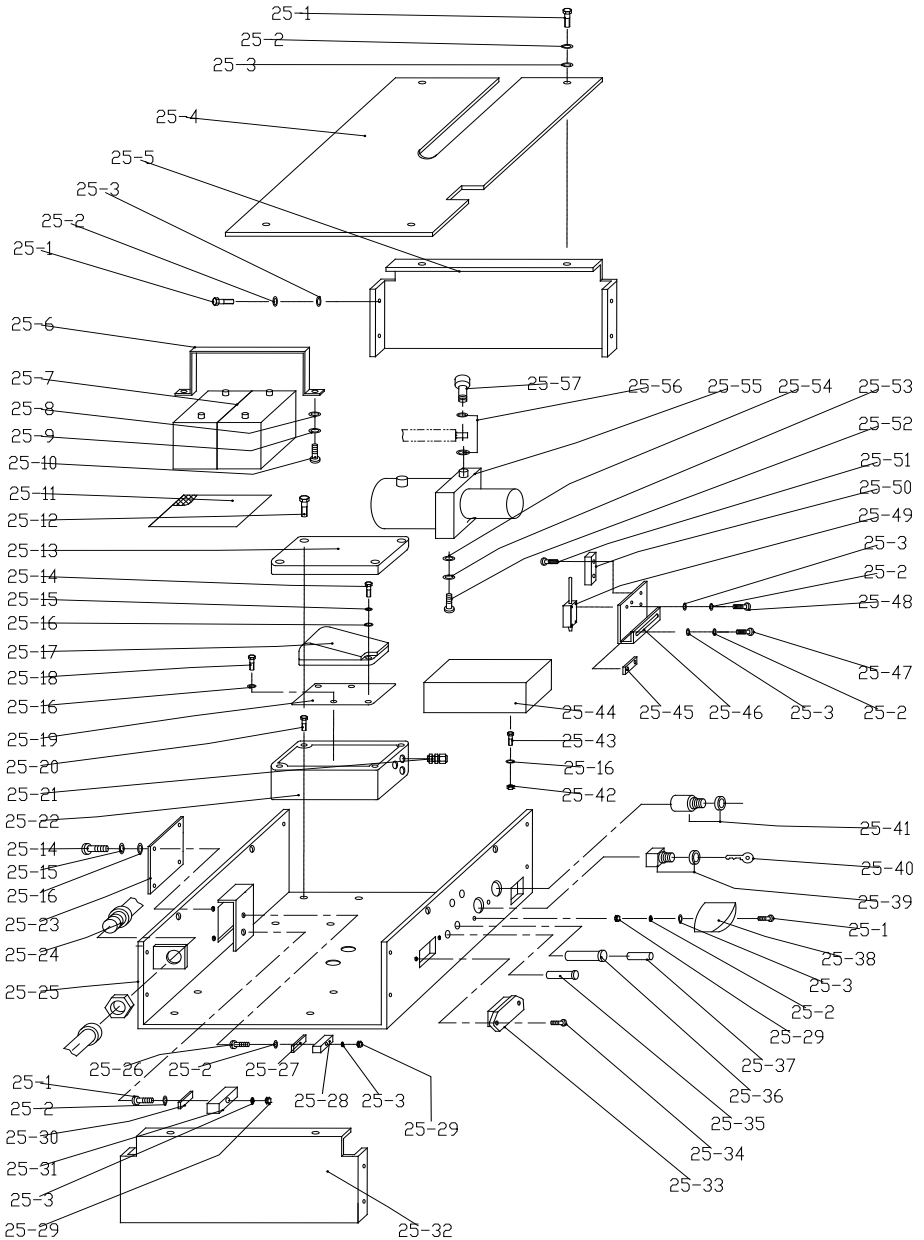


WIRING DIAGRAM



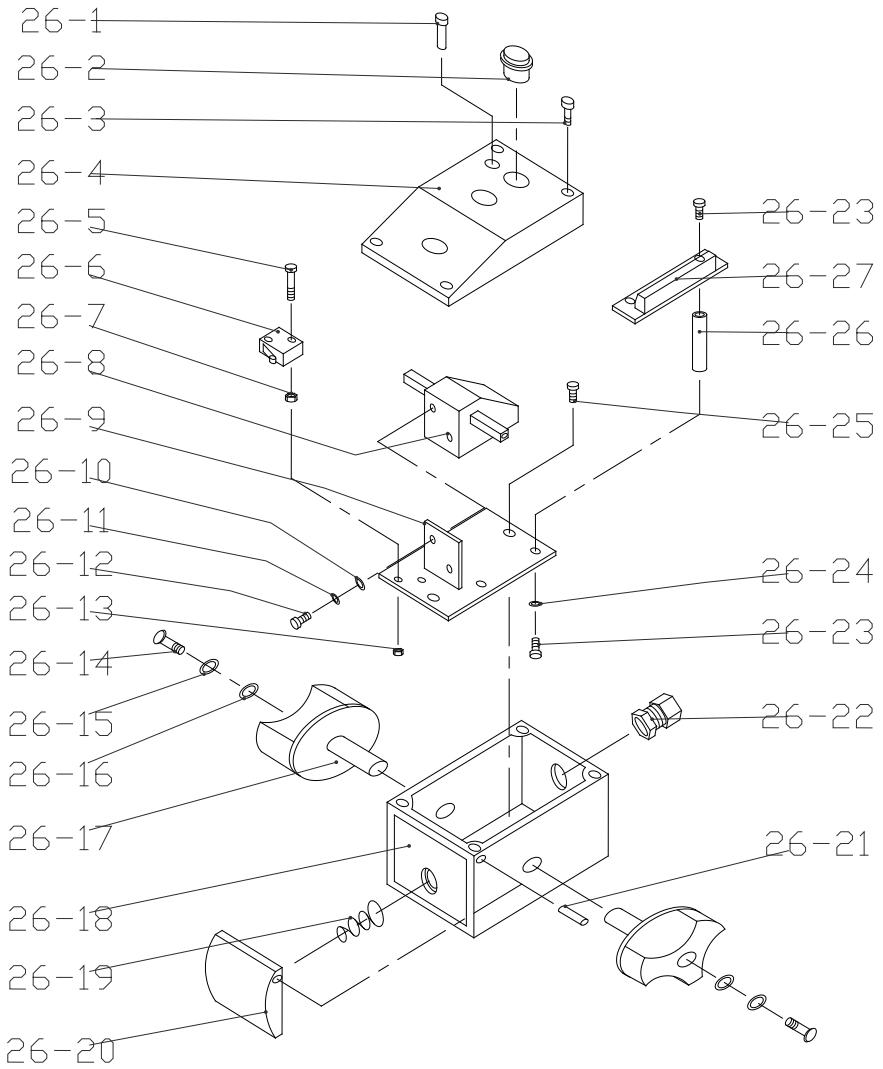
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HYDRAULIC POWER PACK (25) EXPLODED FIGURE



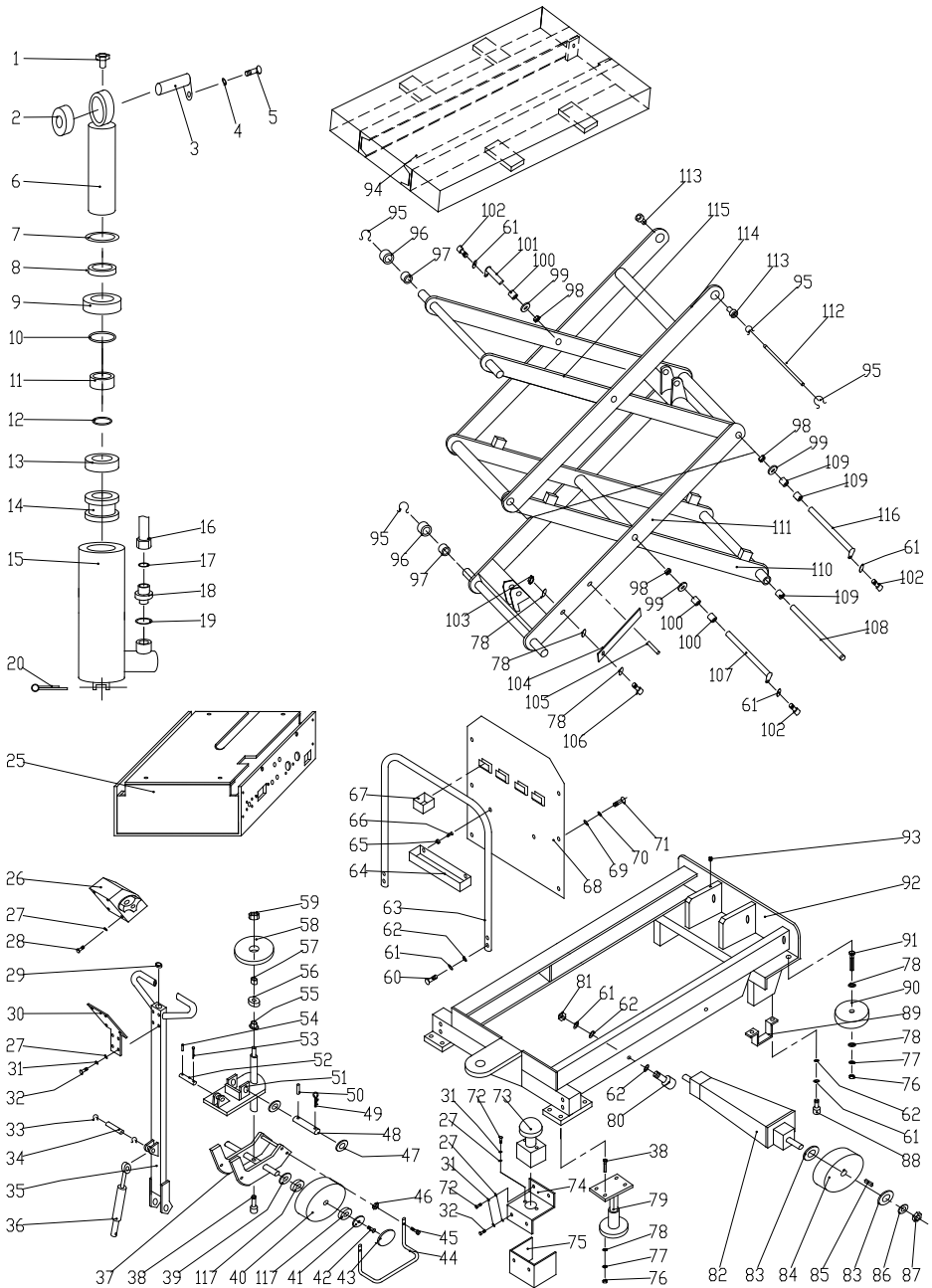
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CONTROL BOX (26) EXPLODED FIGURE



Self-Propelled Powered Scissor Lift

EXPLODED FIGURE



Self-Propelled Powered Scissor Lift

PARTS LIST

NO.	DESCRIPTION	QTY
1	Grease cup M6	1
2	Bearing GE30ZS	1
3	Pin	1
4	Spring washer 8	1
5	Bolt M8×16	1
6	Piston rod	1
7	Retaining ring Φ65	1
8	Seal cover Φ40×Φ48×6.5	1
9	Cylinder cover	1
10	Snap ring Φ70	1
11	Guide ring	1
12	Snap ring Φ40	1
13	Seal ring Φ70×Φ50×22.4	1
14	Piston	1
15	Cylinder	1
16	High pressure hose	1
17	O-ring Φ9.5×1.8	1
18	Throttle	1
19	Seal ring 16	1
20	Split pin 5×35	1
25	Hydraulic power pack	1
25-1	Bolt M5×14	15
25-2	Spring washer 5	20
25-3	Washer 5	20
25-4	Top Cover plate	1

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25-5	Endplate “I”	1
25-6	Battery Securing Tag	1
25-7	Battery	2
25-8	Washer 8	4
25-9	Spring washer 8	4
25-10	Bolt M8×16	4
25-11	Insulated pad	1
25-12	Bolt	4
25-13	Cover	1
25-14	Bolt M4×16	2
25-15	Spring washer 4	10
25-16	Washer 4	16
25-17	Controller	1
25-18	Bolt M4×8	2
25-19	Motherboard	1
25-20	Bolt M4×10	12
25-21	Plastic joint	3
25-22	Box	1
25-23	Fuse Box Covering plate	1
25-24	Control cable	1
25-25	Lower Tray	1
25-26	Bolt M5×16	1
25-27	Fuse (4A)	1
25-28	Fuse bracket (4A)	1
25-29	Nut M5	4
25-30	Fuse (100A)	1

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25-31	Fuse bracket (100A)	1
25-32	Endplate “ II ”	1
25-33	Battery indicator	1
25-34	Bolt M3×10	2
25-35	Pilot lamp	1
25-36	Fuse bracket (2A)	1
25-37	Fuse (2A)	1
25-38	Protective Shroud	1
25-39	Lock Out Switch	1
25-40	Key	1
25-41	Buzzer	1
25-42	Nut M4	4
25-43	Bolt M4×10	4
25-44	Charger	1
25-45	Fixing Plate	1
25-46	Bracket for limit switch	1
25-47	Bolt M5×16	2
25-48	Bolt M5×10	2
25-49	Scissor Travel Limit Switch	1
25-50	Connector block	1
25-51	Bolt M3×8	2
25-52	Bolt M10×20	2
25-53	Spring washer 10	2
25-54	Washer 10	2
25-55	Hydraulic Power Pack	1
25-56	Seal ring 14	2

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25-57	Joint	1
26	Control box	1
26-1	Pilot lamp	1
26-2	Button	3
26-3	Bolt ST4.8×16	4
26-4	Cover	1
26-5	Bolt M3×20	2
26-6	Switch	1
26-7	Nut M4	2
26-8	Accelerator	1
26-9	Motherboard	1
26-10	Washer 5	2
26-11	Spring washer 5	2
26-12	Bolt M5×6	2
26-13	Nut M3	2
26-14	Bolt M3×30	2
26-15	Spring washer 3	2
26-16	Washer 3	2
26-17	Handwheel	2
26-18	Box	1
26-19	Spring	1
26-20	Cover board	1
26-21	Spring pin 3×22	2
26-22	Plastic joint	1
26-23	Bolt M4×8	4
26-24	Spring washer 4	2

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26-25	Bolt ST4.8×9.5	2
26-26	Pillar	2
26-27	Connector block	1
27	Washer 5	14
28	Bolt ST4.8×16	4
29	Rubber bush	1
30	Motherboard	1
31	Spring washer 5	10
32	Bolt M5×10	6
33	Retaining ring Φ10	2
34	Pin	1
35	Handle	1
36	Air spring	1
37	Support saddle	1
38	Bolt M10×40	9
39	Nylon washer	2
40	Wheel	2
41	Washer	2
42	Bolt M8×16	2
43	Cover	2
44	Guardrail	2
45	Bolt M6×25	4
46	Locknut M6	4
47	Washer 18	2
48	Pin	1
49	Split pin	1

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50	Spring pin 4×28	1
51	Foundation bed	1
52	Pin	1
53	Split pin	1
54	Spring pin 3×25	1
55	Nylon bushing	1
56	Bearing	1
57	Bushing $\Phi 20 \times \Phi 23 \times 10$	1
58	Washer	1
59	Nut M16	1
60	Bolt M8×35	4
61	Spring washer 8	18
62	Washer 8	14
63	Guardrail	1
64	Box	1
65	Nut M4	2
66	Bolt M4×8	2
67	Plastic box	4
68	Protect casing	1
69	Washer 6	6
70	Spring washer 6	6
71	Bolt M6×10	6
72	Bolt M5×14	4
73	Switch	1
74	Board	1
75	Cover board	1

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76	Nut M10	10
77	Spring washer 10	10
78	Washer 10	18
79	Brake	1
80	Bolt M8×25	4
81	Nut M8	4
82	Drive unit	1
83	Washer	4
84	Wheel	2
85	Key	2
86	Washer 14	2
87	Locknut M14	2
88	Bolt M8×20	4
89	Securing tag	2
90	Wheel	2
91	Bolt M10×65	2
92	Chassis	1
93	Screw M6×8	2
94	Table	1
95	Retaining ring $\Phi 20$	4
96	Roller	4
97	Bushing $\Phi 20 \times \Phi 23 \times 20$	4
98	Locknut M20	5
99	Washer	5
100	Bushing	4
101	Pin	2

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102	Bolt M8×16	5
103	Locknut M10	2
104	Prop	2
105	Spring pin 8×30	2
106	Bolt M10×45	2
107	Pin	1
108	Pin	1
109	Bushing	6
110	Internal scissors for chassis	1
111	External scissors for chassis	1
112	Pin	1
113	Bushing $\Phi 20 \times \Phi 23 \times 16.5$	2
114	External scissors for table	1
115	Internal scissors for table	1
116	Pin	2
117	Bearing 6204Z	4