LIFT MATE®

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Instruction Manual

M100 M200

Note: The Owner/Operator must read carefully and understand all the information presented here before operation.

Content

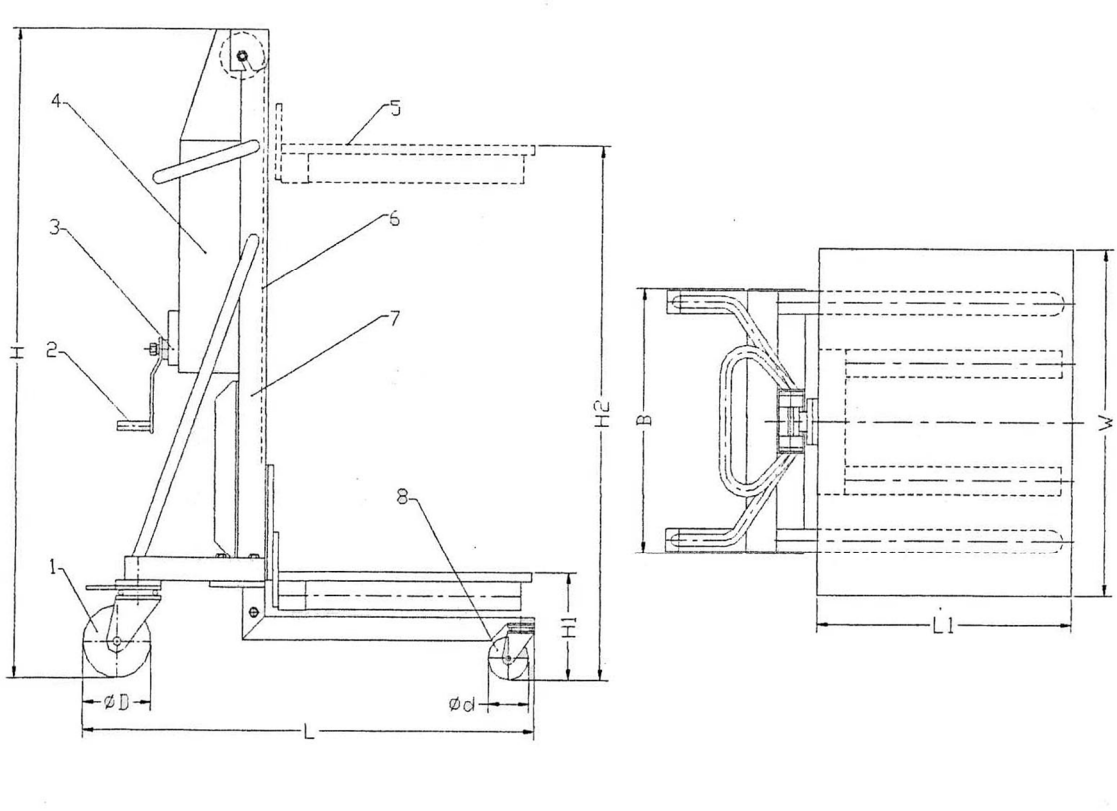
Thank you for your using this series of elevators.

This manual describes right operation method for ensuring safety and tile right ways of maintenance, which prolongs the working life of the equipment. The operator must read carefully and understand all the information presented here and be trained before operation, or it will cause personal injury or elevator damaging.

This series of elevators are mainly applied for the use of transition, elevation and piling for goods with a certain weight and different shape, or for the occasion of taking off some goods from a certain height fork transition.

That the light and delicate appearance, quick and convenient operation together with lots of accessories make the series of elevator be applied extensively in various kinds of factories, emporiums and warehouses, and become highly reliable under-worker with only little maintenance.

Dimensions & Parameter Chart



Type		M100	M200
Load Capacity	kg	100	200
Height Min. H1	mm	130	130
Height Max. H2	mm	1500	1500
Platform L1×W	mm	470×600	470×600
Dimension L×W×H	mm	840×600×1830	840×600×1920
Front Wheel Dia. d	mm	Ø75	Ø75
Rea Wheel Dia. D	mm	Ø125	Ø125
Weight	kg	48	70

B. Part Name

1. Rear Wheel
2. Handle
3. Ratchet transmission structure
4. Guard
5. Platform (several accessories available)
6. Wire rope
7. Pole
8. Front wheel

C. Warnings

1. Not allowed to be used on slanting floor, course and uneven ground and soft land.
2. Not allowed for overloading, and it is necessary to keep a uniformity of load.
3. Special attention to transit round and roll-able articles for safety both when loading and unloading.
4. Keep the platform or fork (accessory) lowest positioned, stable and slow moving the elevation cart when heavy loaded.
5. When the platform or fork (accessory) lowers to the end, not to turn the handle counter-wise continuously, or the wire rope will be too loosened to keep in the pulley and that is dangerous and trouble causing.
6. When the loaded platform or fork (accessory) elevated to a relatively prominent height, please take care to ensure the vehicle stable and safe.

D. Operation Guide

1. Lock up the wheel before up/down operation or loading or unloading.
2. Validate the wire rope seated in the pulley, connecting bolts fast and fixed and safe.
3. Turn the handle clock-wise, platform or fork (accessory) goes upward up to the high-max, stop turning the handle, the platform or fork (accessory) shall stop and keep up at any position without descending.
4. Turn the handle counter clock-wise, platform or fork (accessory) lowers to the end, not to turn the handle continuously, lest the wire rope shall escape.

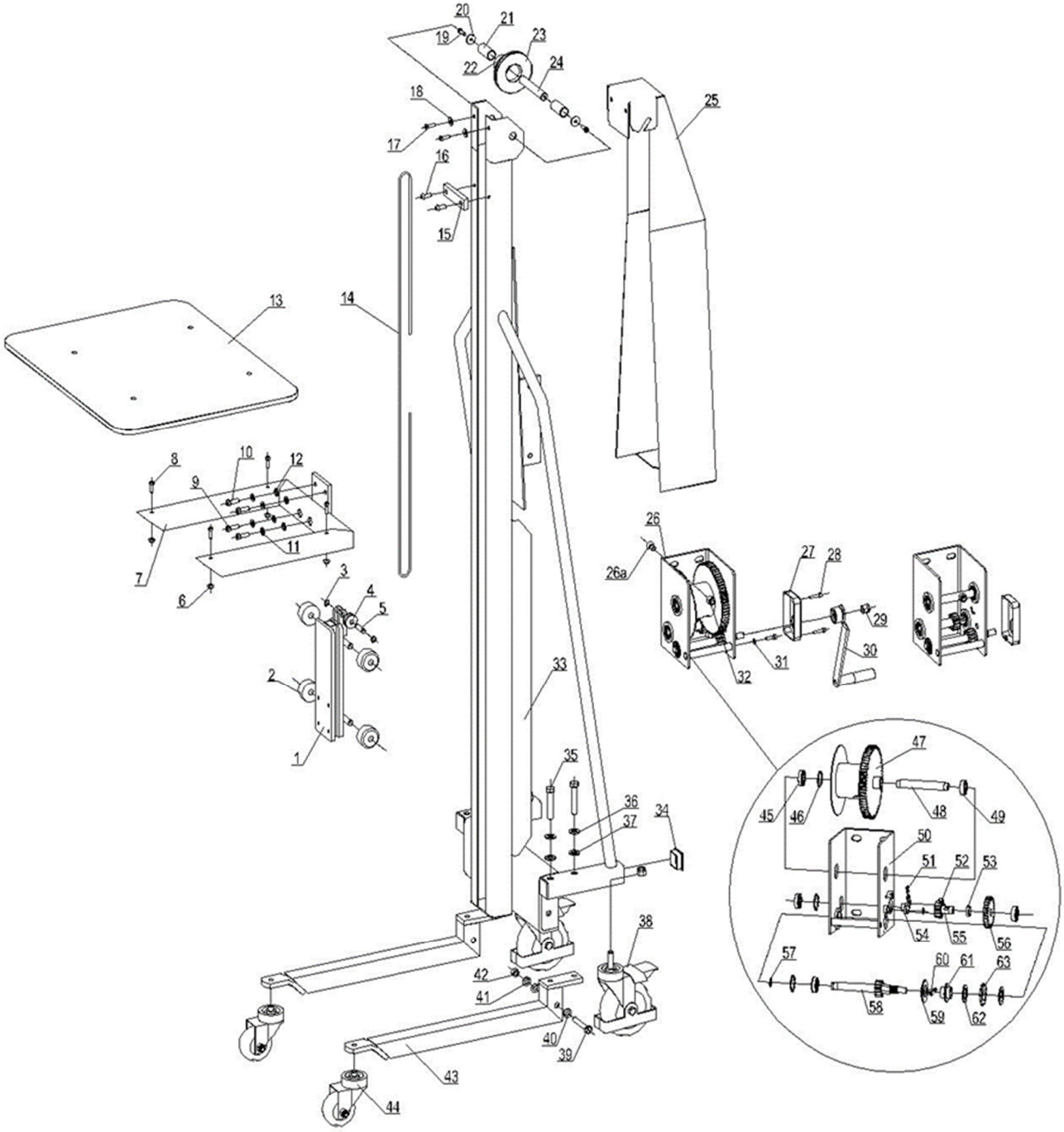
E. Daily Maintenance & Periodic Inspection

1. Check daily the wire rope, pulley, roller, front and rear truckles and other structure parts for wearing, casting, and deformation.
2. Once each three months for a check of lubricating-wearing for ratchet wheel structure and parts.
3. Once each three months for an oiling and greasing of ratchet structure, gear structure and handle structure.
4. Check and ensure all connecting bolts are fast and fixed.

F. Trouble Shooting

SN	Item	Cause	Treatment
1	No elevation for platform or fork (accessory)	1. Wire fall-off	Check adjusting, connect fast
		2. Wire flossing in disk	Re-tidying
		3. Other particle lock	Clear away
2	Platform or fork (acc.) Slipping after raised	1. Ratchet structure Damage	Check, turn-over
		2. Copper friction washer wearing-off	Check, adjust, turn-over
3	Platform or fork (acc.) idle for descending or descending unevenly	1. Ratchet structure damage	Check, turn-over
		2. Other particle lock	Clear away

M200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NO.	Description	Qty	Remark
1	UP/DN Bearing Seat Unit	1	
2	Guide Wheel	4	
3	Circlip for shaft 10	3	
4	Rope pulley	1	
5	Pulley Shaft	1	
6	Hexagon nuts with flangeM6	4	
7	Platform Base Frame	1	
8	Socket head cap screw M6X20	4	
9	Socket head cap screw M8X25	2	
10	Socket head cap screw M8X20	2	
11	Spring Washer 8	4	
12	Plain Washer 8	4	
13	Platform	1	
14	Wire Rope		
15	Stopper Block	1	
16	Socket head cap screw M8X20	2	
17	Socket head cap screw M6X20	2	
18	Plain Washer 6	2	
19	Socket head cap screwM6X16	3	
20	Washer	2	
21	Sleeve of Guide Wheel	2	
22	Ball Bearing	6	
23	Guide Wheel for Wire Rope	6	
24	Shaft for Guide Wheel	1	
25	UP Cover	1	
26	Hand Winch unit	1	M200
26a	The countersunk head screws M10X20		
27	Plastic Cover	1	
28	Socket head cap screw M5X25	2	
29	Self-locking Nut M12	3	
30	Crank Handle	1	
31	Plain Washer 6	1	
32	Self-Locking Nut M10	2	
33	Main Frame	1	
34	Cover for Tube	2	
35	Bolt M12X55	4	
36	Plain Washer 12	4	
37	Spring Washer12	4	
38	Rear Wheel	2	
39	Bolt M10X60	2	

40	Plain Washer 10	4	
41	Spring Washer 10	2	
42	NutM10	2	
43	Support fork	2	
44	Front Wheel	2	
45	Ball Bearing 6002-ZN	3	
46	Circlip for shaft 32	3	
47	Driven gear Unit	1	
48	Driven shaft	1	
49	Ball Bearing 6002-2Z	2	
50	Seat of Hand Winch	1	
51	Spring	1	
52	Plain Key 6X6X10	1	
53	Shaft housing	1	
54	Pawl	1	
55	transmission gear shaft	1	
56	transmission gear	1	
57	Circlip for shaft15	1	
58	Drive Gear Unit	1	
59	Sleeve Ⅰ	1	
60	The countersunk head screws M4X10	2	
61	Sleeve Ⅱ	1	
62	Washer	1	
63	Rachet Wheel	1	
64	The countersunk head screws M10X20	4	