

12Ton Kinetic Log Splitter

Instruction Manual



Congratulations on your purchase.

The Kinetic Log Splitters have been designed to split the firewood used in Australia. Tough Firewood demands a tough machine that can cope with the task. Used in the correct manner this machine will provide years of safe efficient Log Splitting. Read all instructions thoroughly, and learn the applications, operating limitations and potential hazards of this machine, before attempting to operate it.

(Due to our policy of continual improvement to our designs, the actual machine you have purchased may differ slightly from the contents as described in this document).

Technical Specifications

Size	122*33*69CM
Power	220V/1800KW
Log capacity	Max length: 40CM, Max diameter: 35CM
Max. splitting force	12Ton
NW/GW	80/91KG

SAVE THIS INSTRUCTION FOR FUTURE USE.

For safety warning and precautions, when assembling, operating, examining, maintaining, cleaning, etc, follow the instruction of this manual, packing list and assembly drawing. Keep this instruction and invoices for future references.

Safety Rules

WARNING

Read and understand all the instructions. If any instruction is unclear, electric shock, fire or other serious injury might be caused. This machine only allows one person to operate.

WARNING: When using this machine, basic safety precaution should be followed to reduce risk of personal injury and machine damage. Read all instructions thoroughly before attempting operate the machine.

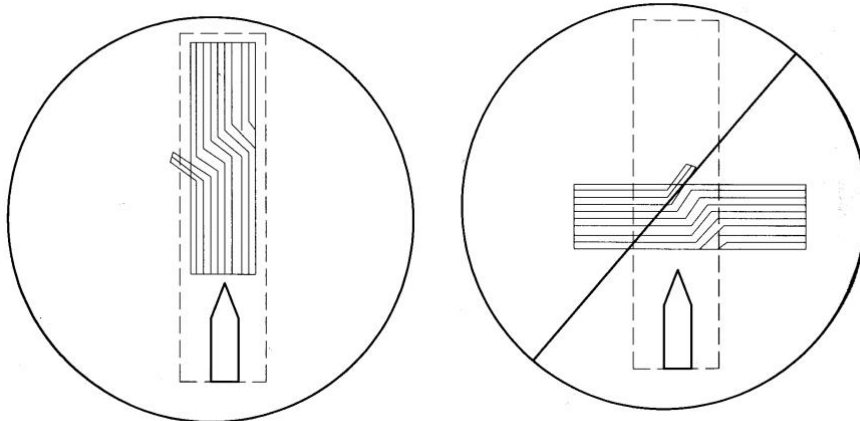
1. Keep work place clean. Cluttered areas invite injuries.
2. Observe the environment of the work place. Don't use the machine in damp or wet locations. Don't expose the machine in the rain. Keep work place well lit.
3. Keep children away from the machine. Children should never be allowed in the work place, or operate the machine or tools.
4. Store idle tools when not in use. Tools and machine should be stored in dry place for dust proof.
5. Dress properly. Don't wear loose clothes or jewelries, because they can be caught by the moving parts. Protective clothes and slip-resistant shoes are recommended when working. Wear protective hair covering to secure long hair.
6. Safety equipment must be used. When operating the machine, protective striking-resistant certified goggles, working gloves and boots, and earplugs should be worn.
7. Maintain machine and tools with care. Keep machine and tools clean and sharp for better and safer performance. Follow the instructions for lubricating and accessories replacement. Keep handles clean, dry and free from oil and grease.
8. Stay alert! Watch out what you're doing. Keep your judgment. Don't operate when you're tired.
9. Check damaged parts. Before using the machine, any seemingly damaged part should be carefully checked to determine that it will operate properly and perform its intended function. Check the fastening of the moving parts, and check any other

conditions that may affect the operation. Any damaged part should be repaired or replaced by qualified technician.

10. When maintaining the machine, only the identical accessories and parts can be used as replacement. Using accessories and parts other than recommended may cause the quality guarantee invalid.
11. Do not operate the machine in alcohol or drugs. If you're taking prescribed drugs, make sure your judgment and reaction are unaffected. If there's any doubt about that, do not operate the machine.
12. MAINTENANCE. For your own safety, the care and maintenance should be on a regular basis by a professional technician.
13. WARNING! When operating, the operator should keep appropriate distance from the machine, and the other people should be away from the machine, to avoid injuries by wood or debris. Only one operator is allowed to operate the machine.
14. CAPACITY. Do not try to cut wood more than the specified size. If the wood couldn't be split, take the wood out from the machine, then cut it into smaller size, or split it by other means.
15. This machine can only be used to cut wood. Splitting other material or using the machine in other ways may cause injuries or property loss.
16. ATTENTION: the warnings, alerts and instructions in this manual cannot cover all the situations. The operator must understand this situation. The operator must have basic common sense and caution.

Operation

1. Transport the machine to designated work place, on a flat even ground. The machine will vibrate when working, so fix the front support on the ground to ensure stability.
2. The operation handle should be in the starting position. Check all the moving parts are normal. Any abnormal should be debugged by professional technician.
3. Put the wood material flat on the work table, one end against the wedge. Attention! Pay special attention to the placement of the wood. See below picture.



4. Use one hand operate the handle #1 in the direction shown in the picture, the other hand operate the handle #2 in the direction shown in the picture. The ejector part will quickly stretch out and split the wood. Under the function of the spring, the ejector part goes back to its initial position immediately, waiting for next round.

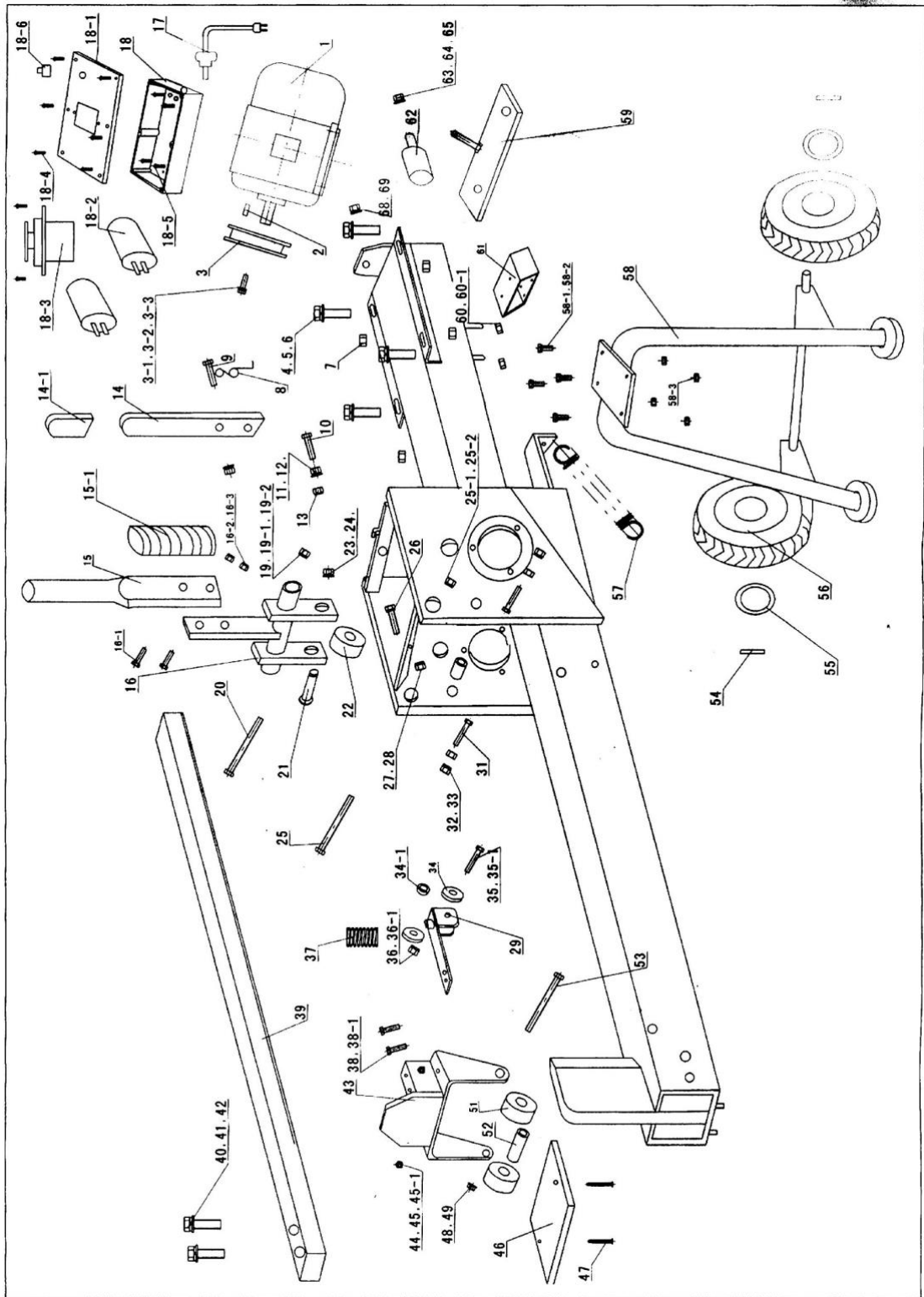


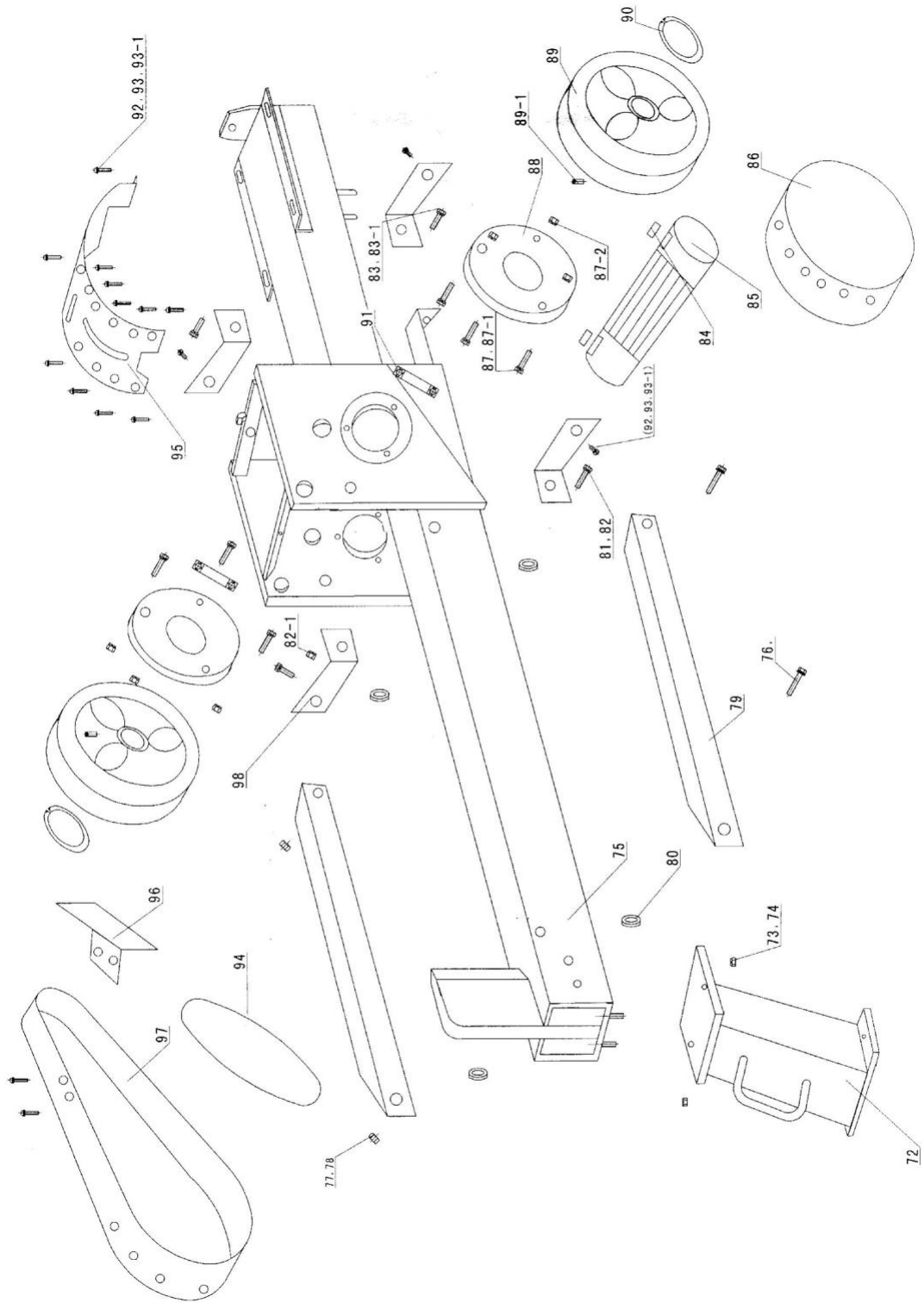


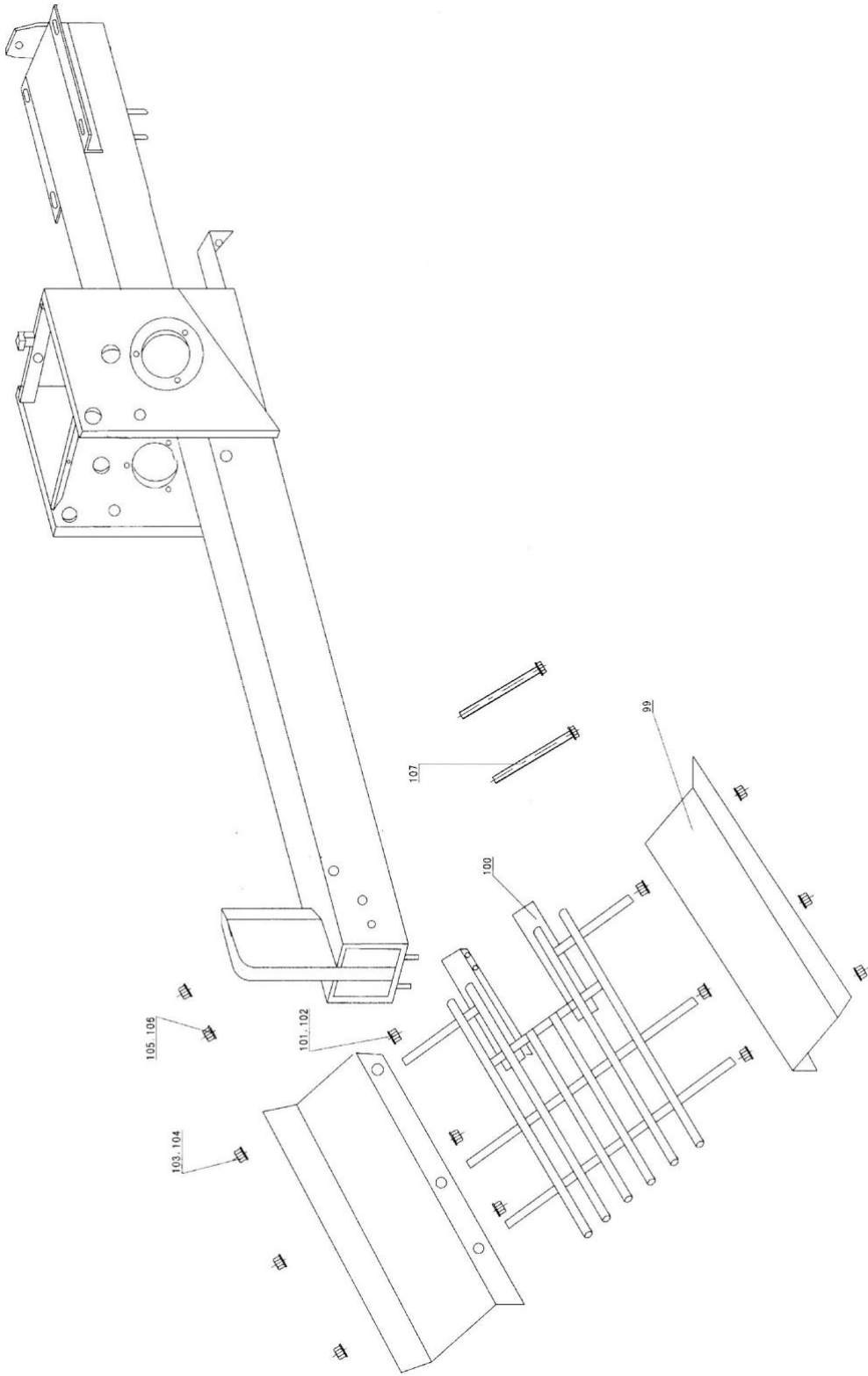
5. Make sure the pushing head is not jammed and the rack can be extended smoothly before operation.
6. Keep your hands on the handle all the time during operation, engage and disengage the handle manually. DO NOT let go of the handle to disengage.
7. Push on the flat end of the log. If the log has no flat end, place the angle or pointy side of the log on the bottom, and use the bottom half of the “pushing head” to push on the pointy side. And be aware of the Max Log Length and Diameter.
8. “Smash” the handle backwards quickly for better engagement of the rack and pinion, and pull the handle forwards to disengage the gears.
9. If the log is not split in the first attempt, quickly disengage the rack and pinion to return the splitting head, wait till the “pushing head” STOP bouncing and then try splitting the piece again. DO NOT keep the rack and pinion engaged and the rack stuck, it will cause unnecessary wear.
10. If the log cannot be split after three attempts, try splitting from a different angle or split from the edge of the log to split pieces off it.
11. Rest a while after one hours of work, for you and for the machine.

Maintenance

1. Clean up the machine before store it in a dry, safe place. Note: keep children and unauthorized person away from the machine.
2. Every time before use, check all the nuts and bolts have been fastened, ensure the machine is in good condition before using.
3. Lubricate the surface of beam #75, the meshing part of rack #39& rack gear #85 on a regular basis. For other metal parts, use a little oil to prevent rust.







Serial No.	Part Name	Material	Quantity	Specification
1	motor		1	1.8KW
2	flat key	45	1	6*25
3	pulley	HT200	1	
3-1	hexagonal bolt	A3	1	M8*20
3-2	flat gasket	A3	1	φ 8
3-3	spring gasket	65Mn	1	φ 8
4	hexagonal bolt	A3	4	M10*25
5	flat gasket	A3	4	φ 10
6	spring gasket	65Mn	4	φ 10
7	nut	A3	4	M10
8	spring	65Mn	1	
9	hexagonal bolt	A3	1	M10*60
10	hexagonal bolt	A3	1	M10*40
11	nut	A3	3	M10
12	spring gasket	65Mn	2	φ 10
13	nut	A3	2	M10
14	spa handle cing board	A3	1	
14-1	handle cover			
15	Connection plate			
15-1	handle cover		1	
16	rack handle		1	
17	Power Cord		1	
18	Switch case			
18-1	Switch the lid			
18-2	capacitor		2	
18-3	Magnetic switch		1	
18-4	Tapping screw		6	S3.5*15
18-5	half-round head screw		4	M5*8
19	nut	A3	2	M16
19-1	flat gasket		1	φ 16
19-2	spring gasket	65Mn	1	φ 16
20	hexagonal bolt	A3	1	M16*115
21	hexagonal bolt	40	2	M12*50
22	bearing		1	
23	flat gasket		2	φ 12
24	lock nut	A3	3	M12
25	hexagonal bolt	A3	1	M10*110

25-1	lock nut	A3	1	M10
25-2	spring gasket	65Mn	1	φ 10
26	hexagonal bolt	A3	1	M10*30
27	nut	A3	1	
28	spring gasket	65Mn	1	φ 10
29	guide holder	A3	1	
31	hexagonal bolt	A3	1	M10*50
32	nut	A3	2	M10
33	spring gasket	65Mn	2	φ 10
34	bearing		2	6900
34-1	spacer bush	A3	2	
35	hexagonal bolt	A3	1	
35-1	flat gasket		1	
36	nut	A3	1	M10
36-1	flat gasket		1	φ 10
37	spring	65Mn	1	
38	hexagonal bolt	A3	1	M8*15
38--1	spring gasket	65Mn	1	φ 8
39	rack	45	1	
40	hexagonal bolt	40	2	M12*1.25*60
41	spring gasket	65Mn	2	φ 10
42	flat gasket	A3	2	φ 10
43	ejector part	A3	1	
44	cap nut	A3	2	M5
45	spring gasket	65Mn	2	φ 5
46	subplate	nylon	1	
47	countersunk screw	A3	1	M5*15
48	nut	A3	2	M10
49	flat gasket	A3	1	φ 10
51	rolling wheel		1	
52	spacer bush	A3	1	
53	hexagonal bolt	A3	1	M10*110
54	spring pin	65Mn	2	φ 3
55	flat gasket	A3	2	φ 16
56	wheel		2	φ 200*40
57	tension spring	65Mn	1	
58	wheel shaft bracket	A3	1	
58-1	hexagonal bolt	A3	1	M8*20

58-2	spring gasket	65Mn	4	φ 8
58-3	nut	A3	4	M8
59	adjusting plate for motor	A3	1	
60	nut	A3	2	M8
60-1	spring gasket	65Mn	2	φ 8
61	stents		1	
62	shock pad		1	
63	nut	A3	1	M8
64	flat gasket	A3	1	φ 8
65	spring gasket	65Mn	1	φ 8
68	flat gasket	A3	1	φ 10
69	nut	A3	1	M10
72*	front support	A3	1	
73	nut	A3	2	M8
74	spring gasket	65Mn	2	φ 8
75	beam	A3	1	
76	hexagonal bolt	A3	2	M8*110
77	flat gasket	65Mn	4	φ 8
78	nut	A3	4	M8
79	work table	A3	2	
80	spacer bush for		4	
81	hexagonal bolt	A3	1	M8*100
82	spring gasket	65Mn	2	φ 8
82-1	nut	A3	2	M8
83	hexagonal bolt	A3	2	M8*25
83-1	spring gasket	65Mn	2	φ 8
84	flat key	45	1	8*7*20
85	gear shaft	20CrMnTi	1	
86	cover 2	A3	1	
87	hexagonal bolt	A3	6	M8*1*10
87--1	spring gasket	65Mn	6	φ 8
87-2	nut		6	M8
88	bearing cap	A3	2	
89	flywheel	HT-200	2	
89-1	socket head cap screw		2	M8*15
90	spring clip	65Mn	2	φ 25
91	bearing		2	6006
92	half-round head screw	A3	13	M5*8

93	flat gasket	A3	13	ϕ 5
93--1	spring gasket	65Mn	13	ϕ 5
94	belt		1	A1180
95	cover 3	A3	1	
96	cover 4	A3	1	
97	cover 1	A3	1	
98	cover support plate	A3	4	
99	baffle	A3	2	
100	Buy wooden frame	A3	1	
101	nut	A3	6	M10
102	flat gasket		6	ϕ 10
103	nut	A3	6	M10
104	spring clip	65Mn	6	ϕ 10
105	nut	A3	2	M12
106	spring clip	65Mn	2	ϕ 12
107	hexagonal bolt	A3	2	M12*110