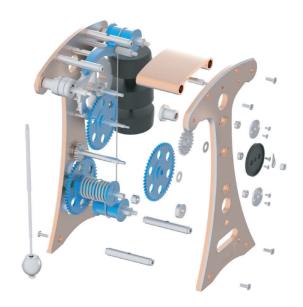


Structural features:

- 1. Double escapement mechanism
- 2. Gravitational potential energy conversion system
- 3. Gravity ratchet mechanism



Assembly of rear main board

P3

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Assembly of rope

P15



Assembly of pointer

P19

7/

Parts list of Galileo pendulum clock

P24

Contents



Assembly of front main board

P13



Assembly of pendulum

P17

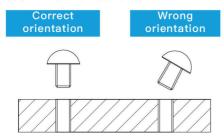


Troubleshooting

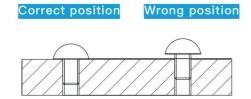
P21

Basic knowledge on standard parts assembly

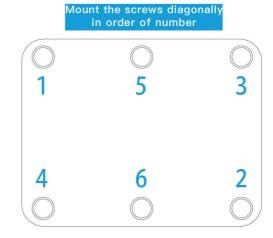
- 1.Installation of screws
- (1) Installation of screws



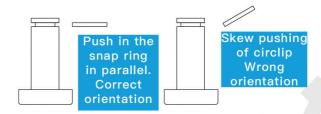
(2)Degree of screw tightening



(3)Screw installation order



2.Installation of snap ring

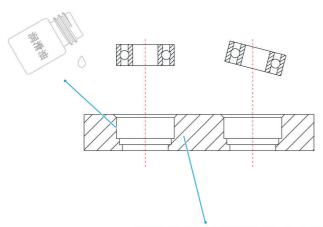


3.Installation of Bearing

Correct orientation

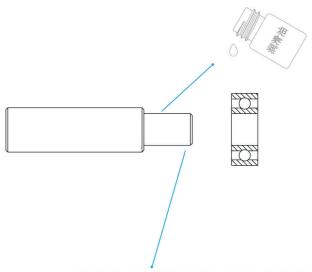
(1)Install the bearing into the bearing seat hole

Wrong orientation



Check the orifice of bearing block for chamfer and burr; apply a little lubricating oil onto side face of shaft Installation point; align the bearing and mount it to the final position; pressure is applied to the outer race of bearing.

(2) Install the bearing onto the shaft



Check the shaft end for chamfer and burr; apply a little lubricating oil onto side face of shaft Installation point; align the bearing and mount it to the final position; pressure is applied to the inner race of bearing.

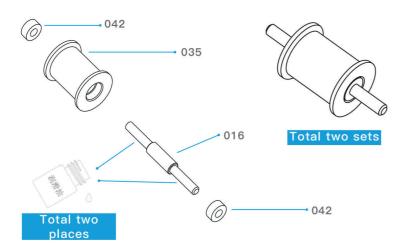


Important note: before assembly, find the bottled lubricating oil, be sure to put enough oil in all the places that need to be lubricated, otherwise the machine is easy to get stuck

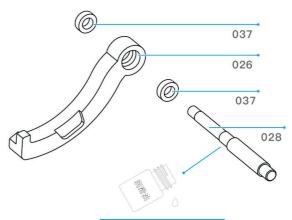


Assembly of rear main board

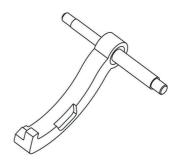
1.1 Installation of pulley



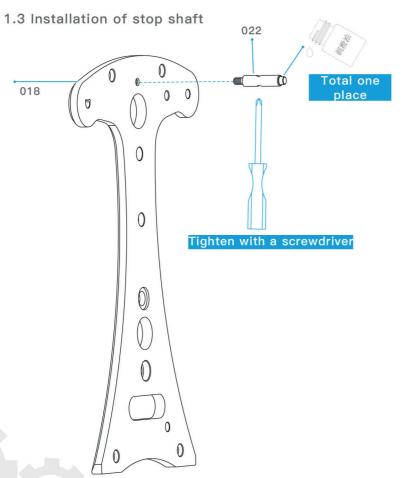
1.2 Installation of ratchet pawl



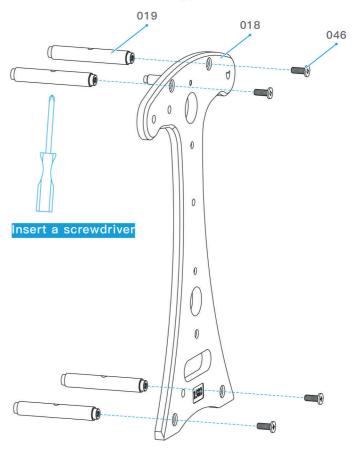
Total one places







1.4 Installation of Support Shaft

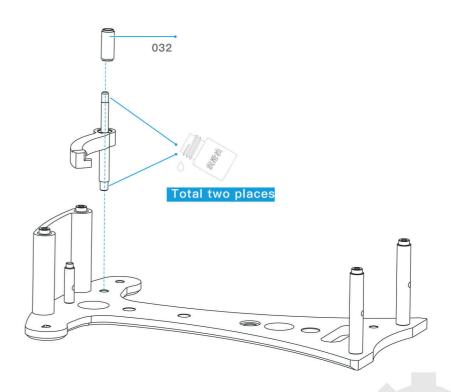




1.5 Installation of Support Board

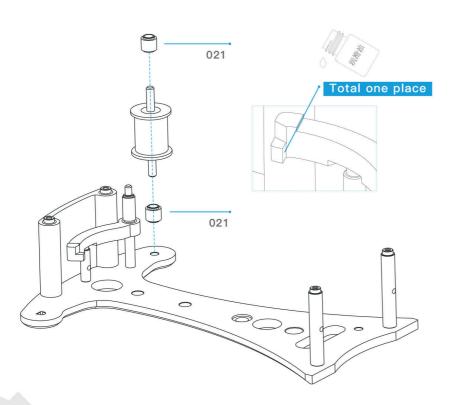
023

1.6 Installation of ratchet pawl

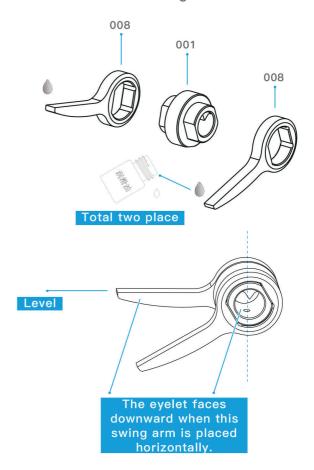




1.7 Installation of pulley assembly

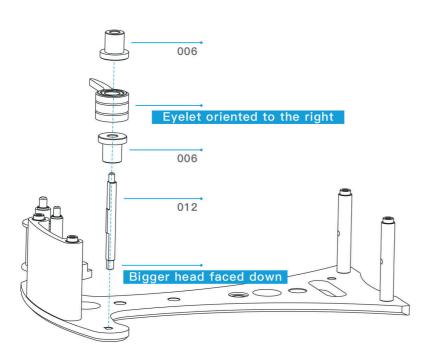


1.8 Installation of swing arm

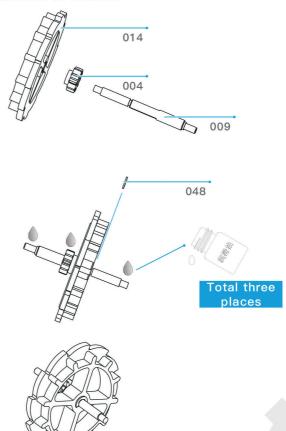




1.9 Installation of swing arm

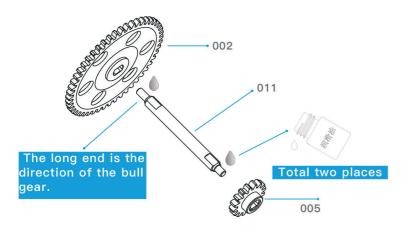


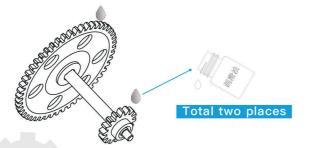
1.10 Installation of ratchet



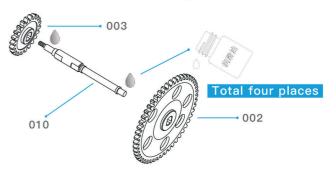


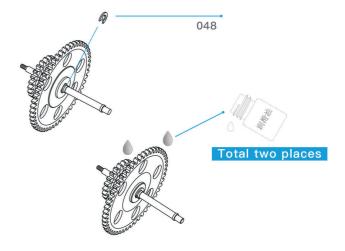
1.11 Installation of Shaft I and gear





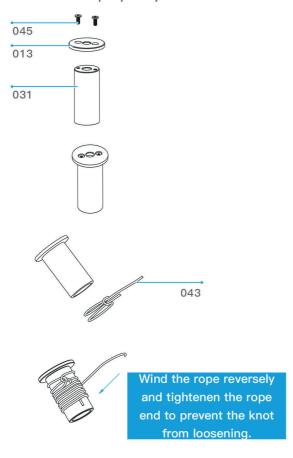
1.12 Installation of Shaft II and gear



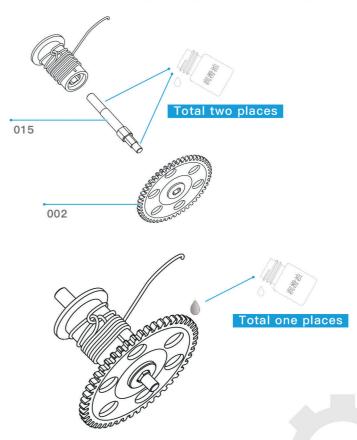




1.13 Installation of rope pulley



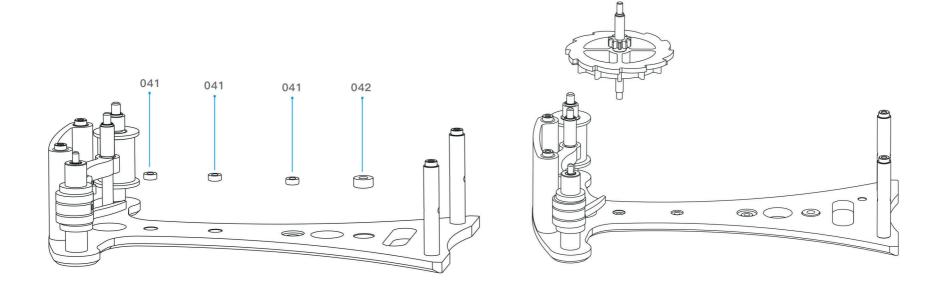
1.14 Installation of rope pulley, rope pulley shaft and gear





1.15 Installation of bearing

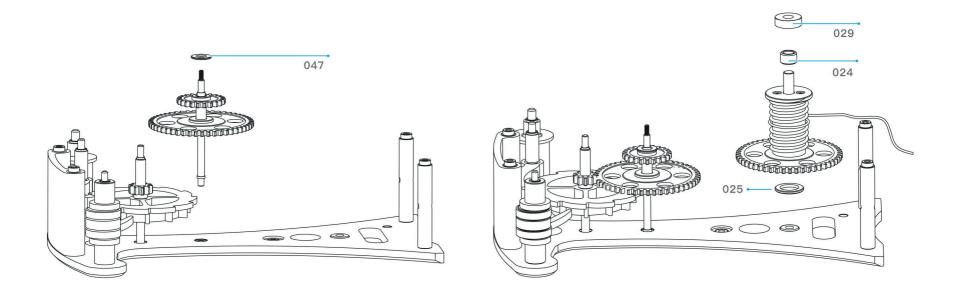
1.16 Installation of ratchet pawl



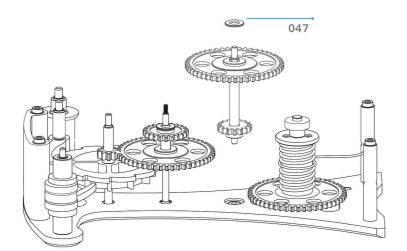


1.17 Installation of shaft II and gear

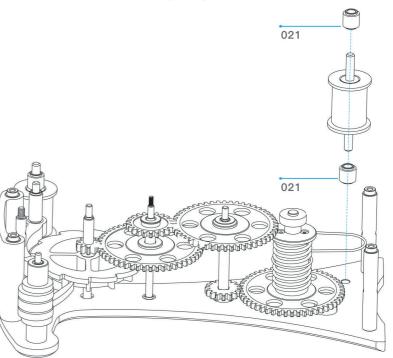
1.18 Installation of rope pulley



1.19 Installation of shaft I and gear



1.20 Installation of pulley

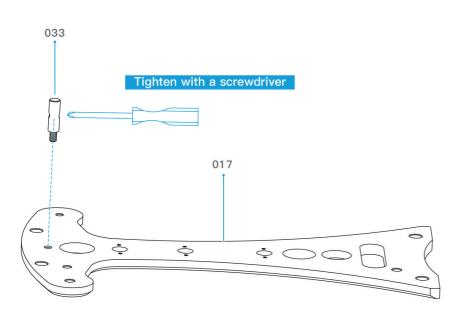


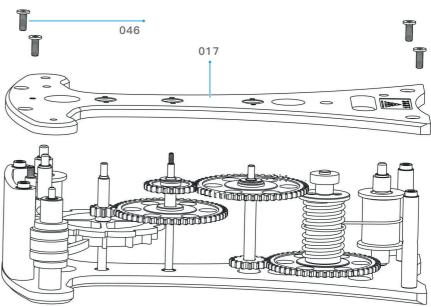


2 Assembly of front main board

2.1 Installation of stop shaft

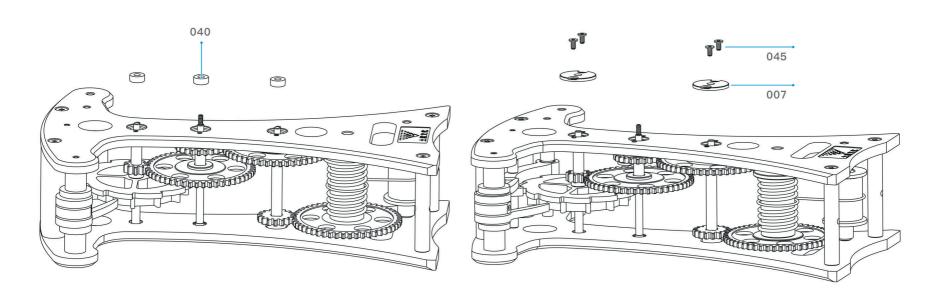
2.2 Installation of front and rear main board





2.3 Installation of bearing

2.4 Installation of shaft cap

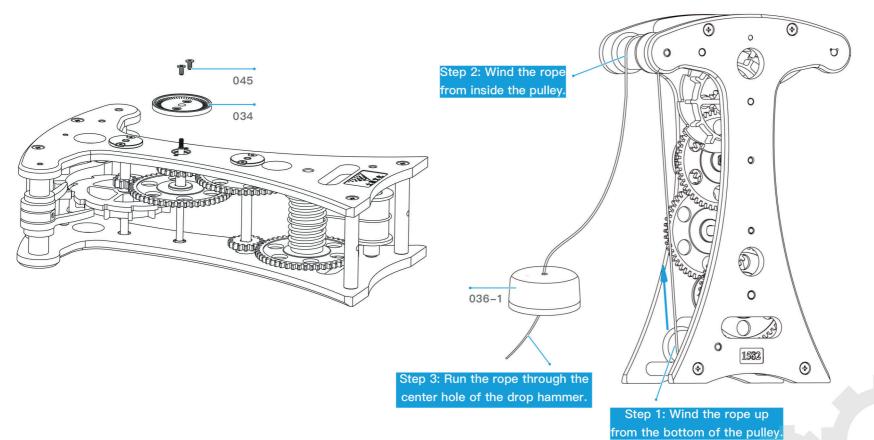




3 Assembly of rope

3.1 Installation of rope and pulley

2.3 Installation of clock dial

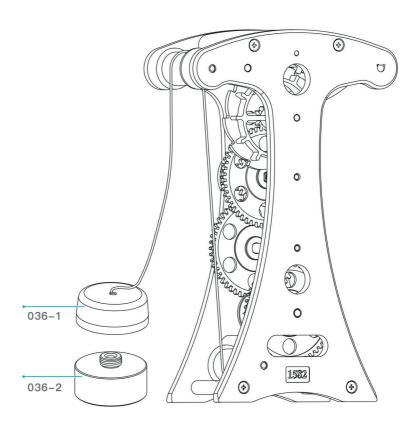


15))))

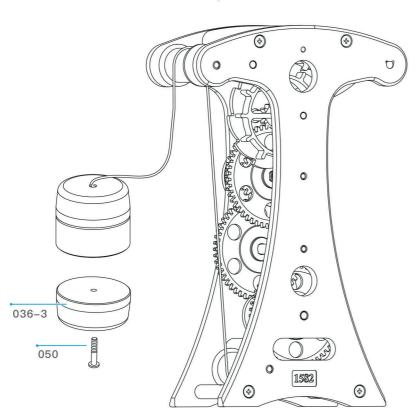
3.2 Installation of rope in drop hammer cap

Wind the rope end reversely by one turn, and then tighten to prevent the knot from loosening. This is a X5 schematic view of winding of Point. (-030 **((((((**16)

3.3 Assembly of drop hammer

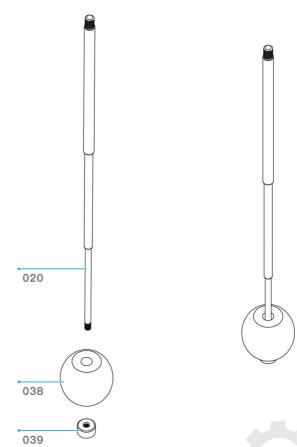


3.4 Installation of drop hammer



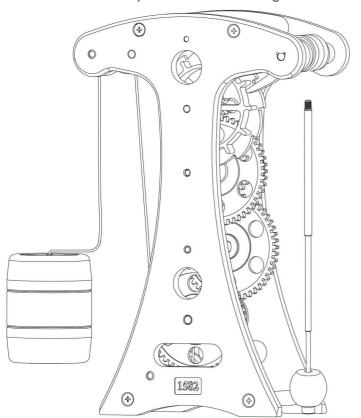
4 Assembly of pendulum

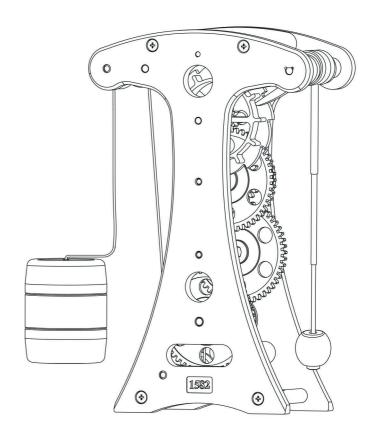
4.1 Installation of pendulum



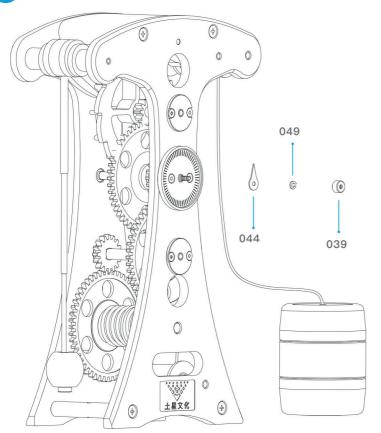


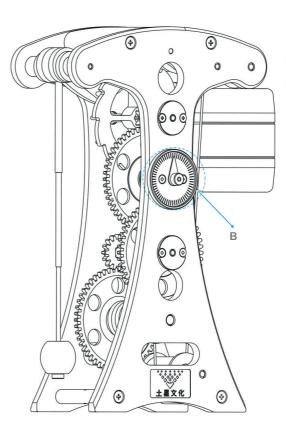
4.2 Installation of pendulum and swing arm



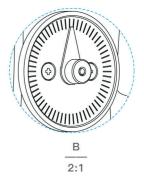


5 Assembly of pointer



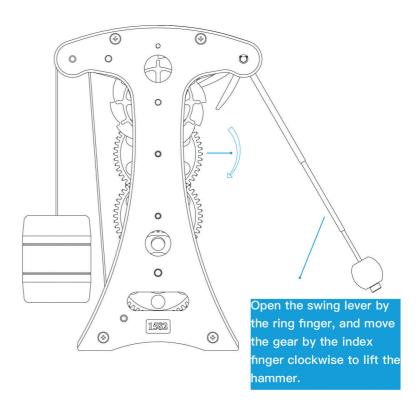


Raise the drop hammer to the highest point, and align the tip of the pointer with the center mark, then tighten the pointer.



Assembly completed

Hammer lifting method:





Troubleshooting

After assembly, if the motion is abnormal, please check whether the relevant moving parts are coated with lubricating oil and the parts are missing or misplaced according to the instructions. If not, please follow the steps below to find the problem and solve it.

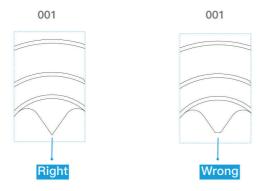
1>whether the installation direction of the parts is correct.

2>Whether the screw is tightened or not, is it loose?

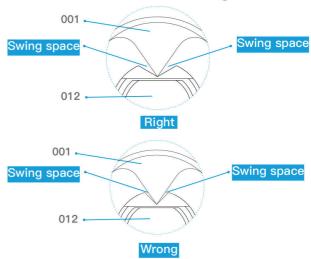
3>check similar parts for reverse assembly

4>Gently swing the pendulum and check whether the positioning plate (001) swings smoothly. If not, please remove the positioning plate.

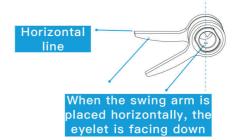
4-1 As shown in the figure, please check whether the 001 positioning panel is correct.



4-2 please check the swing space of the swing arm axis is same as shown in figure or not.

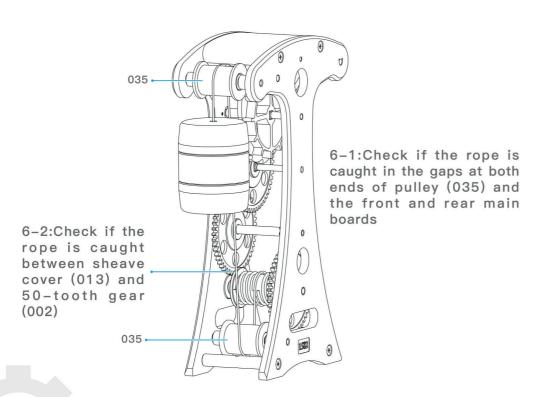


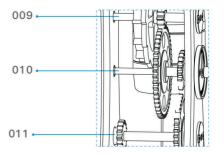
4-3:Please follow the instructions to assemble the 008 swing arm and the 001 positioning plate.



7 >

5>Please check whether the sling is wrapped correctly 6>Please check whether the rope is stuck.



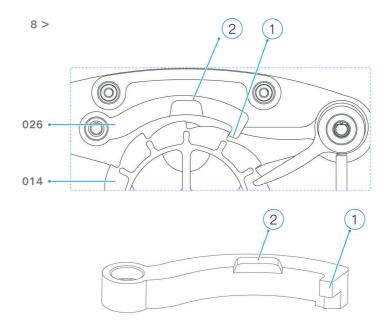


Check whether the front and rear main boards Installation holes corresponding to ratchet shaft (009), shaft I (011) and shaft II (010) have burrs; if yes, remove the burrs using appropriate tools.Reassemble.



8 > Jumping teeth appear anywhere in the process of swinging the pendulum hammer to the lowest point. It's necessary to remove ratchet pawl 026, and scrape point 8> ② in working diagram with a knife to ensure the fit length between ratchet pawl 026 and ratchet 014 is large enough.

In the swinging pendulum state, the slinger stops falling before reaching the lowest point. It needs to remove the 026 ratchet pawl and scrape it with a knife (026 ratchet claw material is aluminum alloy, softer). Reduce the mating length of the 026 ratchet and the 014 ratchet (normal fit length is 0.8–1.0MM)



No.	Product picture	Product name	Qty.
001		Positioning disc	1
002	(a)	50-tooth gear	3
003		22-tooth gear	1
004		10-tooth gear	1
005		16-tooth gear	1
006		Swing arm shaft sleeve	2
007	(0)	Shaft cap	2
800	0	Swing arm	2
24			

No.	Product picture	Product name	Qty.	No.	Product picture	Product name
017		Front main board	1	025		Rope pulley sleeve 1.3
018		Rear main board	1	026		Ratchet pawl
019		Support shaft	4	028		Pawl shaft
020		Telescopic swing lever	1	029	•	Bearing Ø13*Ø5*4
021		Pulley sleeve	4	030		Cylindrical pin Ø2.5*10
022		Limiting shaft	1	031	0	Rope pulley
023		Support board	1	032		Pawl shaft sleeve
024	0	Rope pulley sleeve II	1	033		Stop shaft

No.	Product picture	Product name	Qty.
034		Clock dial	1
035		Pulley	2
036–1		Drop hammer–1	1
036–2		Drop hammer–2	1
036-3		Drop hammer–3	1
037		BearingØ7*Ø4*2.5	2
038		Pendulum	1
039		Hand nut	2

No.	Product picture	Product name	Qty.
048	(57)	E-shaped snap ring Ø7*Ø3*0.6	2
049	9	M2.0spring washer	2
050		Screw CM3.0*16*6	1
		Screwdriver	2