

EPSILON RUNNER 100 USER MANUAL



Please read the user manual carefully before using this product

TABLE OF CONTENTS

Number	Content
2	Directory
3	Safety tips
5	Packing details
9	Assembly instructions
12	Electrical control instruction
19	Maintenance guidelines
23	General troubleshooting
24	Frequently Asked Questions

Our products are designed to improve your health, and the more familiar you become with your treadmill, the easier it will be to use. Therefore, we urge you to read this user manual carefully before using the new treadmill.

All components of this machine are crafted from high-quality materials and undergo rigorous inspection and testing to ensure the highest product quality. Refer to this manual for guidance on proper installation, usage, and maintenance of the machine.

SAFETY GUIDELINES

Prioritize your safety by thoroughly reading this manual before operating the machine. We've designed and manufactured it with numerous safety considerations in mind. Please understand that we cannot be held responsible for any consequences resulting from abnormal operation.






Avoid simultaneously holding heart rate devices and other wireless heart rate devices, as this may cause electrical interference.

Please note the following warnings:

1. Before using this machine, ensure it is properly grounded to prevent accidents and hazards.
2. When in operation, securely fasten the safety lock (red) clamp onto your clothing to facilitate emergency stopping for safety.
 - a. Consult your healthcare provider before starting any exercise regimen.
 - b. Wear appropriate sportswear during exercise.
 - c. Keep the exercise area clean and tidy to prevent electrostatic buildup, which may lead to machine malfunctions.
 - d. Do not exceed the maximum weight limit of 100 kg.
3. This product is intended for use by one person at a time. Keep children and pets away during operation to prevent accidents. Maintain a minimum clearance of 100 cm from walls and furniture on the front and sides, and 200 cm from the rear.
4. If the power cord is damaged, do not use the machine.
5. In case of damage or malfunction, discontinue use and promptly contact the local dealer for maintenance.
6. Avoid touching moving parts by hand and refrain from inserting objects into the machine.

7. This machine is designed for indoor household use only, not for outdoor or gym use.
8. Place the machine on a clean, flat surface with adequate ventilation. Avoid placing near water or heat sources, and ensure there are no sharp objects nearby.
9. Use handrails when getting on or off the machine. Do not dismount if the treadmill is not stable. In case of emergency, unplug the safety lock to stop the treadmill immediately.
10. Do not operate the machine while someone is using oxygen equipment or aerosols are being used nearby.
11. Ensure all machine parts are securely installed.
12. After using the treadmill, remember to turn off the power.

PACKING DETAILS

Serial number	Components	
1	Main frame	
2	Electronic watch frame	
3	Base edge tube	
3	Instructions	
4	Screw bag	

ACCESSORIES

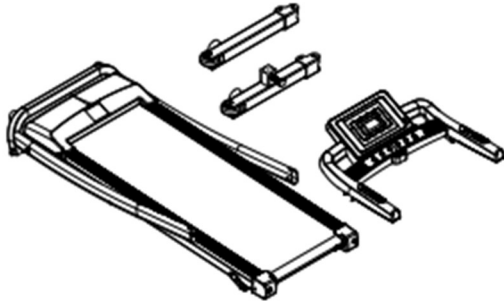
Serial number	Components	Qty
A	Safety Key	1piece
B	6 mm Hexagon wrench	1piece
C	Lubricating oil	1bottle
D	M8*16 semi-round head hexagonal bolts	4pieces
E	M8 flat washer	10pieces
F	M8*55 Hexagon socket head bolts with semi-round head	4pieces
G	M8 Hexagonal lock nut	4pieces
H	Open-end wrench	1piece
I	5mm Allen Wrench	1piece
J	M8*50 external hexagon bolts	2pieces
K	latch	1piece
L	M8 wear cap nuts	2pieces

NO.	Name	Specification	Qty	NO.	Name	Specification	Qty
1	Base frame		1	42	Cylindrical head hexagon bolts	M8*25 full tooth electrophoresis black with 5mm spanner	3
2	Upright tube		1	43	Countersunk head internal angle bolts	M6*20 full tooth electrophoresis black	8
3	Motor base		1	44	Ring-shaped wire-guard plugs		2
4	Running board support tube		1	45	Phillips pan head tapping screws	ST4.0*16 full tooth electrophoresis black	25
5	Running board	t12*497*1025	1	46	Cross washer head tapping and self-drilling screws	ST4.2*16 Full tooth Electroplated black	11
6	Running belt	t1.4*403*2325	1	47	Crossed pan head tapping screws	#2.3*6 full tooth white zinc plated	13
7	Front roller	80* ϕ 42*435* ϕ 15*464*M8Electrophoresis	1	48	Cross washer head tapping screws	ST4*16 Full tooth Electroplated black	2
8	Rear roller	ϕ 42*430* ϕ 15*487*2-M8Electrophoresis	1	49	Cross washer head tapping screws	ST2.8*8 full tooth white zinc plated	4
9	Refueling pipe	ϕ 8*t0.92*230 Need to curved	1	50	Crossed pan head tapping screws	#4*10 full teeth electrophoresis black	10
10	Allen wrench	6# :90*90mm One end cross tip galvarised	1	51	Cross washer head tapping screws	ST4*10 full teeth electrophoresis black	5
11	Multi-ribbed belt	J140 (356) 4groove Speak black	1	52	Flat washers	ϕ 8* ϕ 16*1.2	12
12	Electronic watch upper cover	616*539*123	1	53	Spring washers	ϕ 8.1* ϕ 12.3*T2.1	2
13	Motor upper cover	509*231*75	1	54	Hexagon lock nuts	M8 opposite side 13	7
14	Electronic watch lower cover	500*99*35	1	55	Hexagon lock nuts	M10	2
15	Left handle bar rear cover	198*43*65	1	56	Cross washer head tapping and self-drilling screws	ST4.2*19 full tooth electrophoresis black	2
16	Motor lower cover	495*233*42	1	57	Hexagon bolts	M8*50 full tooth electrophoresis black	1
17	Rear protector cover	5*71.5*81(Left and right)	1pair	58	Hexagon nuts	M8	1
18	Left-side plastic trim	24*50*1044	1	59	Crossed pan head triple combination bolts with flat washers and spring washers	M4*12 Full tooth White zinc plated	2
19	Right-side plastic trim	24*50*1044	1	60	Limit spacers	#13*#8.2*10 Electroplated black	2
20	Right handle bar rear cover	198*43*65	1	61	Caps for bolts	with external hexagonal bolt head M8 (opposite side 13)	1
21	Transport wheel	ϕ 50* ϕ 8.2*22	2	62	Hexagon bolts with semi-round head	M8*55 half tooth Electroplated black with 5mm spanner	4
22	R clamp	UC-0 white	2	63	Double-sided adhesive		2
23	Controller	Optional 110V/220V	1	64	Magnetic rings		1
24	Conical foot pad	ϕ 43* ϕ 23* ϕ 4.5*16	8	65	Hexagon socket head bolts with semi-round head	M8*16 full tooth electroplated black with 6mm spanner	4

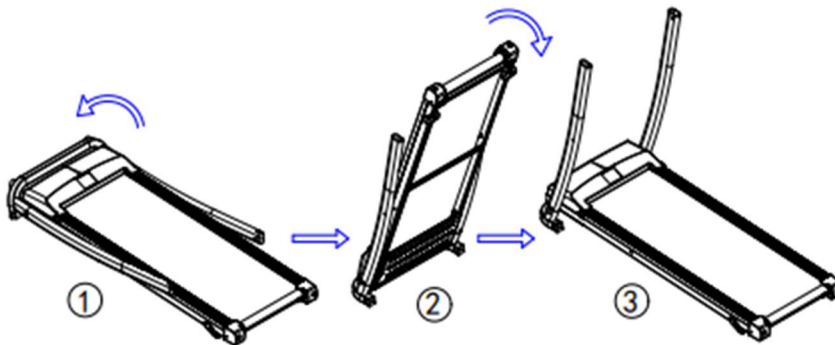
25	Refueling decorative cover	With ϕ 16.5round hole	1	66	Butt lock screws	M8*25-M6*12	2
26	Cable ties	2*150	4	67	Counter lock screws	M8*35-M6*12	2
27	Power switch	15A/250V With red light	1	68	Cross countersunk head self-tapping screws	4*35	4
28	Overload protector	Input 220V:6A,12S/250VAC	1	69	Cap nuts	M8 opposite side 13	2
29	Power cable	3*0.75mm ² 10/15A 250V Black Length1500mm	1	70	Pull ring latch	ϕ 8*38	2
30	Power cable clasp	6N-4 black	1	71	Conical latch	ϕ 8*50	1
31	Single line	3*1.0mm ² 10/15A Length200mm	1	72	Open-end spanners	13-14	1
32	Single line	3*1.0mm ² 10/15A length200mm	1	73	Cross washer head tapping screws	ST2.8*8	10
33	Single line	3*1.0mm ² 10/15A length100mm	1	74	Cross washer head tapping screws	ST2.3*10	2
34	DC motor		1	75	Cross washer head tapping screws	ST2.3*8	6
35	Safety key	42*16*14	1	76	Base frame left tube		1
36	Cylindrical head hexagon bolts	M8*90 half tooth electroplated black with 6mm spanner	1	77	Base frame right tube		1
37	Cylindrical head hexagon bolts	M8*90 full tooth electroplated black with 6mm spanner	2	78	3-step manual incline		2
38	Cylindrical head hexagon bolts	M8*40 half tooth electroplated black with 6mm spanner	1	79	Adjustment wheel	ϕ 28* ϕ 8.2*20	2
39	Hexagon socket head bolts with semi-round head	M10*80 half tooth electroplated black with 6mm spanner	2	80	Square inner tube plug	With 30*30*11.5 tube	1
40	Hexagon socket head bolts with semi-round head	M8*35 half tooth electroplated black with 5mm spanner	2	81	Cable ties	5*300	1
41	Cylindrical head hexagon bolts	M8*35 full tooth electroplated black with 5mm spanner	1	82	Hexagon socket head bolts	M8*50 half tooth electroplated black with 5mm spanner	2

ASSEMBLY INSTRUCTIONS

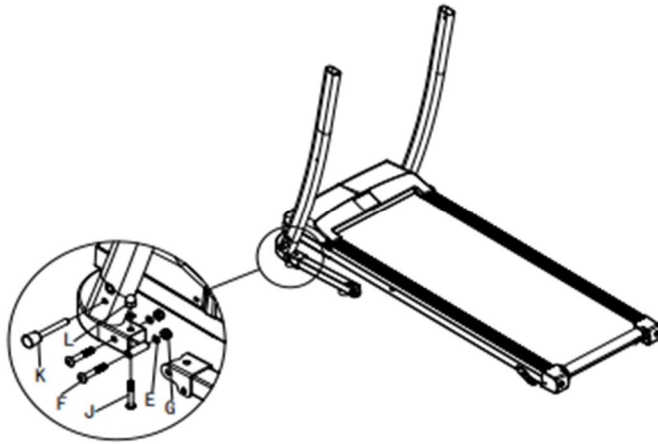
Step 1: Unpack the main frame, display frame, and base edge tube from the carton.



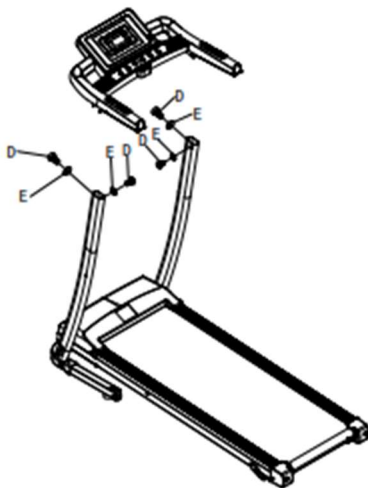
Step 2: Unfolding the frame: Stand the machine upright in the direction of the arrow (p1), then lay the frame flat on the floor following the arrows (p2, p3).



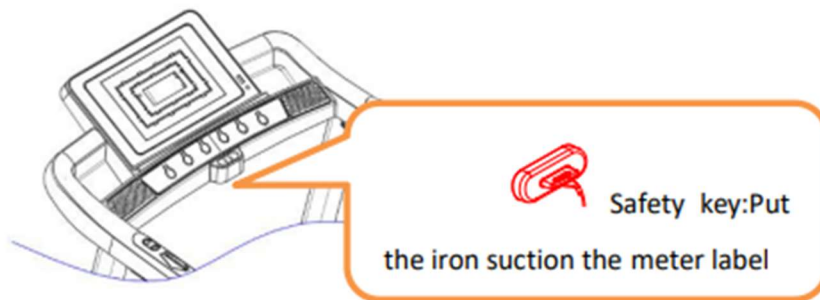
Step 3: Insert the bottom frame side tube into the bottom frame following the arrow's direction. Secure it with F# half-round head hexagonal bolts (4pcs), G# hexagonal lock nuts (4pcs), and E# flat washers (4pcs) on the bottom frame. Next, insert J# half-round head hexagonal bolts (2pcs) through the bottom frame and secure the bottom frame side tube to the bottom frame using E# flat washers (2pcs) and L# cap nuts (2pcs). Insert K# pins from the bottom of the column into the holes in the iron plate at the bottom of the front of the runner, as shown in the diagram. **Note: I#5mm hexagonal spanner and H open-end spanner are required for this step.**



Step 4: Insert the electronic meter frame into the column following the arrow's direction. Then, use E#M8 flat washers (4pcs) and D#M8*16 semi-round head hexagonal bolts (4pcs) to secure the electronic meter frame onto the column, as depicted in the figure. Note: B#6 mm Hexagon wrench is required for this step.



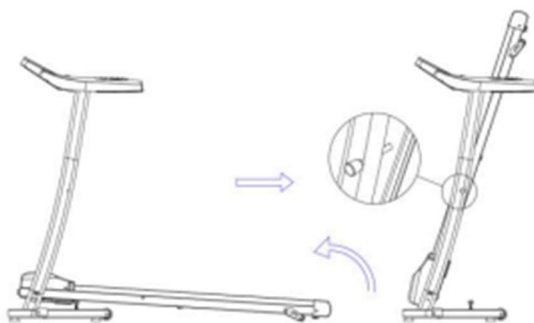
Step 5: Before use: Press the start button while the electronic watch is turning on to initiate treadmill operation. Note: Ensure the safety key is placed on the yellow sticker position in the middle of the meter for the treadmill to start working normally. If the display window displays "E07", it indicates that the safety key is either not placed or not properly positioned.



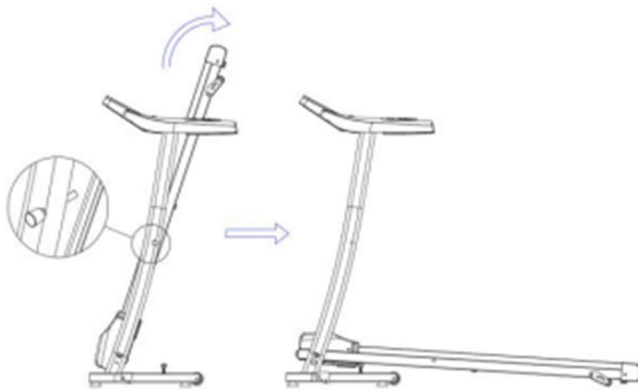
Emergency Stop Function: When the safety key is removed, the power supply is disconnected, and the treadmill is rendered inoperable. This feature is not controlled by software, ensuring your safety. Always use the safety key during exercise.

Please Note: After confirming that all screws are installed according to the above requirements, tighten them securely before connecting the power lead to avoid any oversights.

Step 6: Treadmill Folding: When transporting or storing the treadmill for an extended period, follow the instructions below. Stand behind the treadmill and raise the deck in the direction of the arrow. Hold the frame and pull out the spring pull pin (as shown in the photo below). Lower the running board until you hear a "click" to complete the folding process.



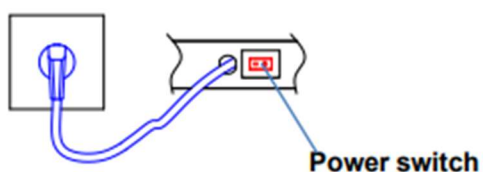
Product Unfolding: Pull the K# pin on the column outward by hand. Lower the running table until it makes contact with the ground, allowing the product to unfold. Insert the K# pin from the bottom of the column into the hole of the iron piece at the bottom front of the running table to secure it in place.



Electronic control operation instructions

Using the treadmill

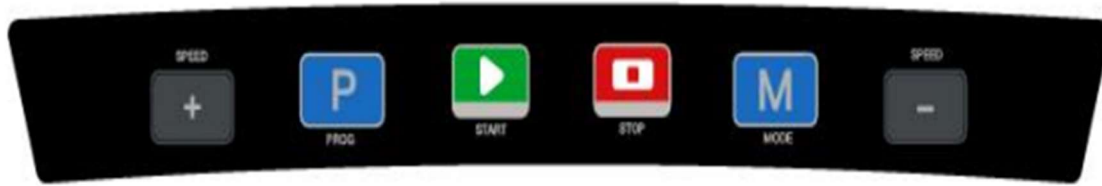
1. Ensure that the power lead is securely plugged into a suitable and live mains socket. Turn on the power switch (red) to activate the treadmill. To enter manual mode: After the electronic power meter displays a wide screen, it will enter the initial standby mode. Press the start button to transition into manual mode.



2.Safety key illustrate:

Attach the SAFETY KEY to the console before powering on the machine. Secure the clip to your clothing at your waist before starting your workout. If the SAFETY KEY disconnects during use, the treadmill will automatically slow down and stop, ensuring your safety. In case of an emergency, pull the safety key for an immediate stop, preventing potential injuries. To resume using the machine, reattach the safety key.

PROGRAM GUIDLINE



4. Turn on the power

The treadmill will start normally after a 3-second delay.

5. The treadmill offers a total of 5 programs

The treadmill features 3 manual programs and 12 automatic programs for diverse workout options.

Regarding the safety key function: If the safety key is unplugged, the treadmill will stop running, accompanied by a beeping alarm sound, and the electronic display will show "E07". Upon reinserting the safety key, the treadmill will reset, displaying all data as zero for 2 seconds.

7.1 Start button and Stop button:

Start button: In the treadmill's stopped state, pressing the start button will initiate the treadmill. The speed display will show "1 km/h", indicating the treadmill has started.

Stop button: While the treadmill is running, pressing the stop button will clear all data, stop the treadmill gradually, and return it to manual mode.

To summarize:

Press the "start" button to initiate treadmill operation. The speed window will display 1 km/h.

Press the "stop" button to clear all data, gradually stop the treadmill, and return it to manual mode.

7.2 Program Button:

In standby mode, pressing this button cycles between manual mode and automatic modes P1 through P12. Manual mode is the default running mode.

7.3 Mode Button:

In standby mode, pressing this button selects between three different countdown modes: time, distance, and calories. Adjust the settings using the "speed +" and "speed -" keys. Press the "start" button to confirm the mode selection and initiate treadmill operation.

7.4 Speed Reduction Button:

The speed reduction button is utilized to adjust the speed setting of the treadmill.

When setting the parameters for the treadmill, this button is used to decrease the speed value.

During treadmill operation, pressing and holding the speed reduction button for more than 2 seconds will continuously decrease the speed setting by 0.1 km/h increments.

Typically, the handlebars feature two buttons, including the speed reduction button, for easy access and control while using the treadmill.

8.Display function

8.1Speed display

The display panel shows the current speed value of the treadmill during operation.

8.2 Time display

The display panel shows the countdown time under both manual mode and program mode, indicating the remaining time for the workout session.

8.3 Distance display

The display panel shows the countdown distance and distance accumulation under both manual mode and program mode, providing real-time feedback on the distance covered during the workout session.

8.4 Calorie display

The display panel shows the countdown calories and calorie accumulation under both manual mode and program mode, providing real-time feedback on the calories burned during the workout session.

9. Automation Programs

Each program consists of 10 segments, and the running time of each segment is equally allocated. Below is a graphical representation of the 12 programs:

Time		Set time / 10 = the time on each segment									
		1	2	3	4	5	6	7	8	9	10
P1	SPEED	3	3	6	5	5	4	4	4	4	3
P2	SPEED	3	3	4	4	5	5	5	6	6	4
P3	SPEED	2	4	6	8	7	8	6	2	3	2
P4	SPEED	3	3	5	6	7	6	5	4	3	3
P5	SPEED	3	6	6	6	8	7	7	5	5	4
P6	SPEED	2	6	5	4	8	7	5	3	3	2
P7	SPEED	2	9	9	7	7	6	5	3	2	2
P8	SPEED	2	4	4	4	5	6	8	8	6	2
P9	SPEED	2	4	5	5	6	5	6	3	3	2
P10	SPEED	2	5	7	5	8	6	5	2	4	3
P11	SPEED	2	5	6	7	8	9	10	5	3	2
P12	SPEED	2	3	5	6	8	6	9	6	5	3

10.Parameter setting under 3 modes

Under each mode, the count backwards time is initially set at 10:00 minutes, with a range of 5:00 to 99:00 minutes and a step of 1:00. The count backwards calorie is set to 50 kcal, with a range of 20 to 990 kcal and a step of 10. The count backwards distance is set to the initial distance, with a range of 1.0 to 99.0 km and a step of 1.0. The mode switching order is: manual, time, distance, calories.

11.Other

After a count backwards parameter is finished, the display screen will show "END" and emit a 0.5-second alarm every 2 seconds until the treadmill stops, then it will return to manual mode.

For cycling through parameters, such as the time range from 5:00 to 99:00, pressing the "+" button when set to 99:00 will cycle back to 5:00. You can add and subtract using the "+" and "-" symbols.

Each count backwards parameter (time, calorie, distance) can only be set in one mode, and the treadmill will run according to the last setting. If one parameter is set, the others will display count forward parameters.

12.Heart Rate Measurement Function

While the treadmill is powered on, hold the heart rate sensor for 5 seconds to activate the heart rate display. The initial value displayed is the actual measured heart rate, within a range of 50 to 200 times per minute. Please note that there may be a short waiting period for the heart rate test process to complete. It's essential to understand that the data provided is for reference purposes only and should not be considered as medical data.

MAINTENANCE GUIDE

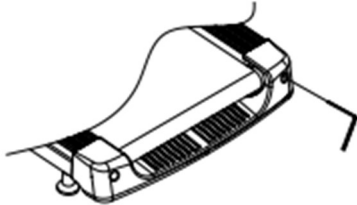
Proper maintenance is essential to keep your walking pad treadmill in optimal condition, ensuring longevity and performance. However, incorrect maintenance practices can potentially damage or shorten the treadmill's service life.

1. Regularly remove dust to maintain cleanliness and prevent buildup on the treadmill's components.
2. After each use, wipe down the meter and other parts of the treadmill with a clean towel or cloth to remove sweat and debris. Be cautious not to let water splash on the electrical components or beneath the running belt.
3. Store your treadmill in a clean and dry environment, ensuring that the power is turned off and the treadmill is unplugged to prevent any potential hazards.
4. To facilitate moving the walker, it is equipped with installed wheels. However, ensure to disconnect the power and fold up the body before moving it.
5. Regularly inspect and secure all parts of the walker. Replace any damaged parts immediately to maintain safety and functionality.
6. For optimal maintenance and to prolong the lifespan of the walker, it is recommended to allow the walker to rest for 10 minutes after 30 minutes of continuous use before further use.
7. While the running belt comes well-adjusted from the factory, continuous use may cause stretching and deviation from the center position due to friction between the running belt, side strips, and rear cover. It is normal for the running belt to stretch over time. If you notice slippage or uneven movement during use, adjust the running belt elasticity accordingly to improve performance.

A. Running Belt Tightness Adjustment:

If the running belt is too loose, insert the provided hexagonal wrench into the adjustment hole of the left foot guard step. Rotate it 1/4 turn clockwise. Then, adjust the right foot guard in the same manner, also rotating it 1/4 turn clockwise. It's crucial to adjust both sides synchronously to ensure even belt tension.

Conversely, if the running belt is too tight, follow the same process but rotate the adjustment screws counterclockwise instead. Again, synchronize adjustments on both sides for uniform tension.



Ensure that the running belt is properly tightened so that it does not deviate from the center point. If the running belt is too loose, adjust both sides synchronously by rotating clockwise. Conversely, if it is too tight, perform synchronous counterclockwise adjustments.

Note: Avoid over-tightening the running belt as it may strain the belt, increase pressure on the front/back rollers, and potentially damage roller bearings, resulting in noise or other issues. Adjust the belt tension to a point where it does not slip for optimal performance.

B. Running belt alignment adjustment

When using the treadmill, the running belt may naturally deviate from the center due to the uneven force applied by the feet. This is a normal occurrence, and typically, the belt should return to the center automatically when not in use. However, if it fails to do so, manual adjustment may be required.

To adjust the running belt:

1. Operate the walker without any load.
2. Set the speed to the 6th gear.
3. Observe the distance between the running belt and the left and right side strips.

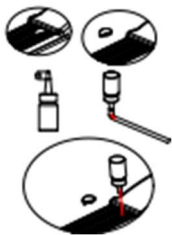
Make adjustments as needed to ensure that the running belt is properly centered for smooth and balanced operation.

If the running belt is off-center:

- If it deviates to the left, use the hex wrench to turn the left screw 1/4 turn clockwise.
- If it deviates to the right, use the hex wrench to rotate the right screw 1/4 turn clockwise.
- If the running belt remains off-center, repeat the above action until it is adjusted to the middle position.

lubricating oil

It's advised to add lubricant to the walking machine either after a year of use or every 100 hours of operation. After every 30 hours or 30 days of usage, when the walker is at rest, raise the running belt from the side and touch the running platform's surface as inward as possible. If you detect lubrication, there's no need for additional lubricant. However, if the surface feels notably dry, please refer to the instructions below for adding lubricant. (Please utilize lubricants that are non-petroleum-based.)



To add lubricating oil, follow these steps:

1. Open the side bar located on the left front side of the refueling decorative cover.
2. Use scissors or a hobby knife to carefully cut the lubricating oil bottle according to the size depicted in the following figure.
3. Refuel according to the instructions provided in the bottom diagram.
4. When refueling, ensure the front end of the lubricating oil bottle's thin rod is inserted into the fuel pipe on the car platform before filling oil in.

General faults and troubleshooting

Electronic display error code and exclusion

Fault code	Fault Description	Fault handling
E01	Communication abnormality: The communication between the lower control and the electronic meter is abnormal after	The lower control stops and enters the fault state. Can't start running. The electronic watch displays the fault code and the buzzer sounds 3 times. Possible reasons: The communication between the electronic control and the electronic meter is blocked. Check each connection between the electronic meter and the lower control communication line to ensure that each core is completely inserted. Check whether the

	power-on.	connecting wire between the electronic watch and the controller is damaged, and replace the connecting wire.
E02	Indicates that the controller does not detect the voltage on the motor	Check whether the motor wire is firmly connected to the terminal on the control or IGBT tube abnormality
E05	Overcurrent protection: Under the operating condition, the lower control continuously detects that the DC motor current is greater than the rated current for more than 5 seconds.	<p>Stop the power into the fault state, the electronic meter buzzer sounded 9 times, while displaying the fault code, the rest of the area does not display the content. Maintain the fault state for about 10 seconds and then enter the standby state, can be restarted.</p> <p>Possible causes: more than the rated load resulting in too much current, the system self-preservation, or a part of the walker is stuck, resulting in the motor can not turn, the load is too heavy, the current is too high, the system self-preservation; adjust the walker to restart the operation. There is also to check whether the motor running over flow sound or burnt smell, replace the motor; or check whether the controller burnt smell, replace the controller; or check whether the power supply voltage specifications do not match or low, use the correct voltage specifications to retest</p>
E07	Indicates that the electronic meter does not detect a security lock signal	Magnetron damaged, magnetron installation position is correct, magnetron is placed.

Frequently Asked Questions and Troubleshooting Methods:

1. Issue: Some or all of the keys are not working.

- Solution 1.1: Open the upper shell of the electronic watch and test the functionality of the keys.

- Solution 1.2: Inspect and, if necessary, replace electronic watch boards.

- Solution 1.3: Re-energize the device and check if the buttons function properly.

2. Issue: Electronic display not functioning.

- Exclusion Guidelines:

- Check that the input voltage is within the allowable range.

- Ensure the switch on the running machine is turned on.

- Verify the condition of the fuse in the power outlet; if fused, replace it with a spare fuse.

- Inspect the controller to confirm if the LED lights are operational.

- Check the connection lines for any issues.

- Inspect or replace electronic watch boards if needed.

- Check or replace the lower control circuit board.

3. Other Issues and Troubleshooting:

a. Issue: Treadmill can't start.

- Verify that the power plug is inserted, the power switch is on, and the safety switch is disengaged.

b. Issue: Treadmill skidding.

- Consult the instructions manual and adjust the running belt accordingly.

c. Issue: Running belt misalignment.

- Refer to the instructions for proper adjustment of the running belt.

d. Issue: Operation noise.

- Check for loose machine screws and ensure the running belt is adequately lubricated.

Maintenance Terms:

1. Covered Conditions:

- Non-artificial damage occurring during normal product use under correct usage and maintenance conditions.

2. Warranty Exclusions:

a. Damage resulting from abuse, negligent handling, accidents, or unauthorized modifications.

b. Damage due to improper adjustment of the running belt and drive belt.

c. Damage arising from abnormal maintenance procedures.

d. Damages resulting from other illegal operations.

3. Warranty Limitation:

- This warranty applies exclusively to private use in home settings and does not extend to professional training environments such as gyms.