



T6 TREADMILL

TM1043



SERVICE MANUAL

ISSUED 2025-09-11

JOHNSON HEALTH INDUSTRY (VIETNAM) V1

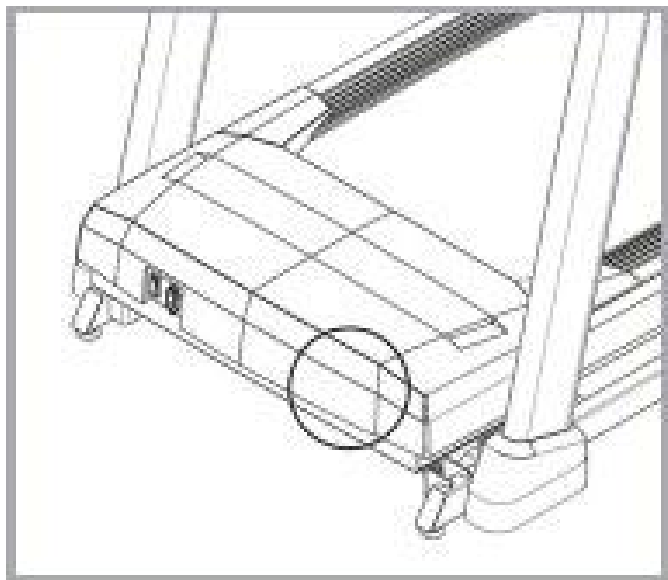
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Serial Number Information

Serial Number Location



Preventive Maintenance

Preventive Maintenance

Preventive maintenance is the key to smoothly operating equipment, as well as keeping the user's liability to a minimum. Equipment needs to be inspected at regular intervals. Defective components must be replaced immediately. Improperly working equipment must be kept out of use until it is repaired. Ensure that any person(s) making adjustments or performing maintenance or repair of any kind is qualified to do so.

Every Day (Daily)

Clean and inspect, following these steps:

- a. Turn off the treadmill with the ON/ OFF switch, then unplug the power cord at the wall outlet.
- b. Wipe down the running belt, deck, motor cover, and console casing with a damp cloth. Never use solvents, as they can cause damage to the treadmill.
- c. Inspect the power cord. If the power cord is damaged, stop using and contact Customer Technical Support.
- d. Make sure the power cord is not underneath the treadmill or in any other area where it can become pinched or cut.
- e. Check the tension and alignment of the running belt. Make sure that the treadmill belt will not damage any other components on the treadmill by being misaligned.
- f. If any labels are damaged or illegible, contact Customer Technical Support for replacements.

Every Week (Weekly)

Clean underneath the treadmill following these steps:

- a. Turn off the treadmill with the ON/ OFF switch, then unplug the power cord at the wall outlet.
- b. Fold the treadmill into the upright position, making sure that the lock latch is secured.
- c. Move the treadmill to a remote location.
- d. Wipe or vacuum any dust particles or other objects that may have accumulated underneath the treadmill.
- e. Return the treadmill to its previous position

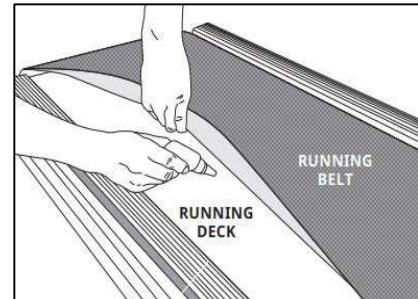
Every Month - Important!

- a. Turn off the treadmill with the ON/ OFF switch, then unplug the power cord at the wall outlet.
- b. Inspect all assembly bolts of the machine for proper tightness.
- c. Remove the motor cover. Wait for ALL display screens to be off.
- d. Clean the motor and lower board area to eliminate any lint or dust particles that may have accumulated. Failure to do so may result in premature failure of key electrical components.
- e. Vacuum and wipe down the belt with a damp cloth. Vacuum any black/ white particles that may
- f. accumulate around the unit. These particles may accumulate from normal treadmill use.
- g. If your treadmill has air shocks under the deck for lift assistance, lubricate the silver air shock tube with Teflon-based spray found at your local hardware or bike store

Every 3 Months or 150 Miles

It is necessary to lubricate your treadmill running deck every three months or 150 miles to maintain optimal performance.

Your treadmill came with a bottle of lubricant which can be used for two applications.

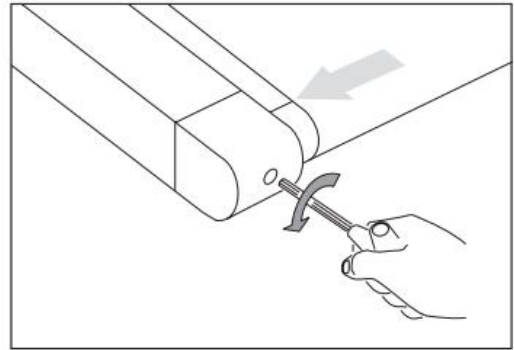


- a. Turn off the treadmill with the on/off switch and unplug the power cord at the wall outlet.
- b. Loosen both the rear roller bolts 10-15 counter-clockwise turn. This should give the belt enough slack for you to lift it.
- c. Lift the belt as far as you can and squirt the silicone oil in a zigzag pattern across the entire running deck surface. Use 1/2 bottle of silicone lubricant. Do not apply the silicone oil on top of the running belt. Lay the running belt down and then tighten both rear roller bolts clockwise the same number of turns loosen.
- d. After you have applied lubricant, plug in the power cord, and insert the safety key. Reset the Lube Belt message by first pressing and holding the SPEED UP button, then STOP button and hold BOTH buttons for 5-7 seconds.
- e. Stay off the machine and press START. Allow the belt to run at 3 mph for 3 minutes to begin spreading the silicone. Then walk on the machine at a comfortable speed for 3 minutes to complete spreading the silicone and to check the running belt for proper tension and alignment.
- f. Once the belt is centered and tensioned, stop the belt. Wipe any excess oil from the sides with a damp cloth.

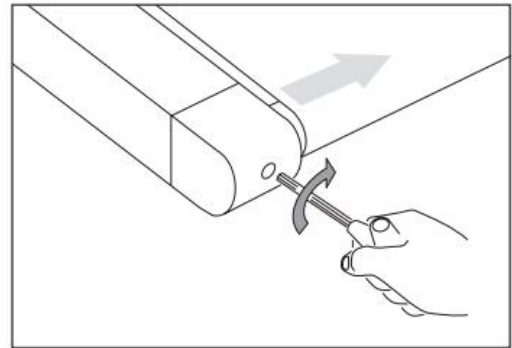
Tensioning & Centering the Running Belt

Do not run belt faster than 1 mph while centering. Keep fingers, hair and clothing away from belt at all times.

If the running belt is too far to the right side: Using the supplied Allen wrench and with the treadmill running at 1 mph to turn the LEFT adjustment bolt counter-clockwise a $\frac{1}{4}$ turn and wait for the belt to adjust itself. Repeat if necessary, until the belt remains centered during use.



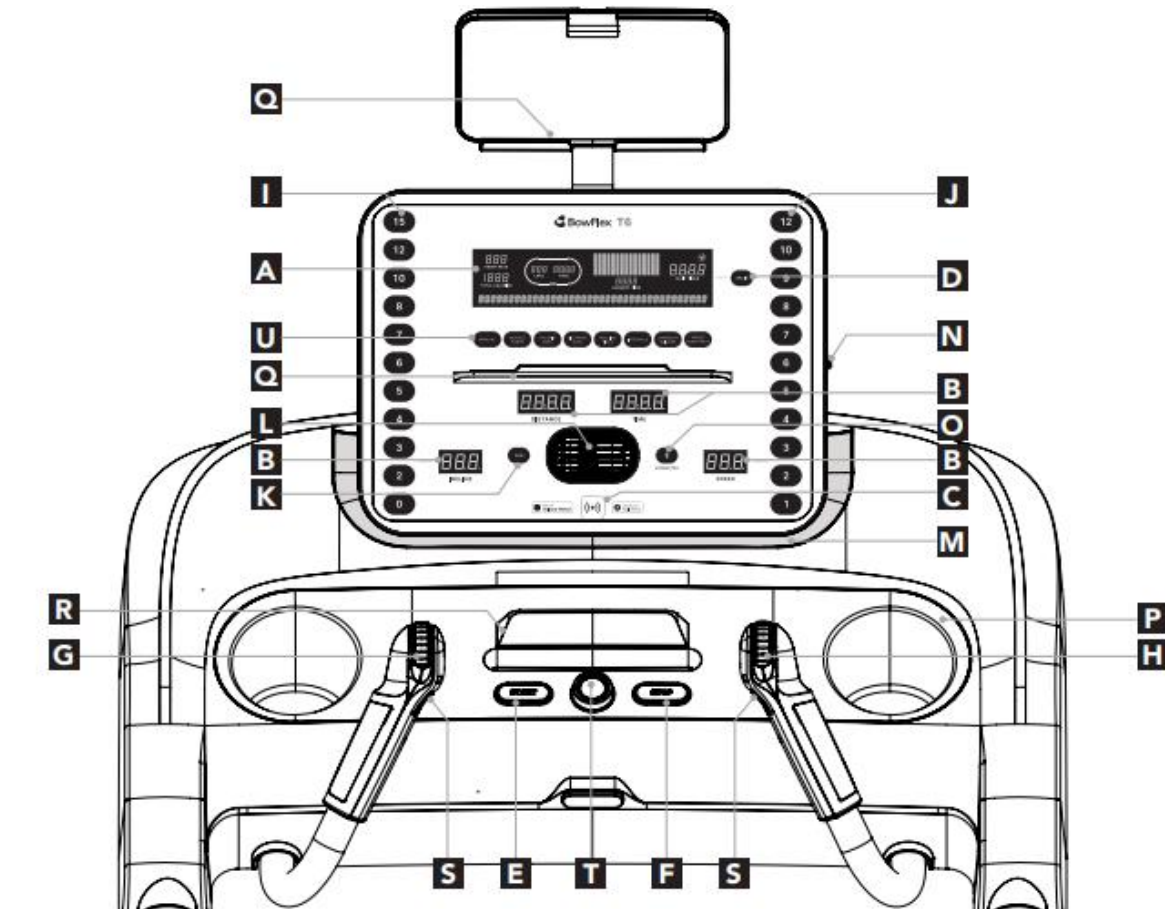
If the running belt is too far to the left side: Using the supplied Allen wrench and with the treadmill running at 1 mph turn the LEFT adjustment bolt clockwise a $\frac{1}{4}$ turn and wait for the belt to adjust itself. Repeat if necessary, until the belt remains centered during use.



- If you find the belt is slipping because it is too loose, center it then tension as needed.
- For easier adjustment bolt access, remove the end caps.

Console Instruction

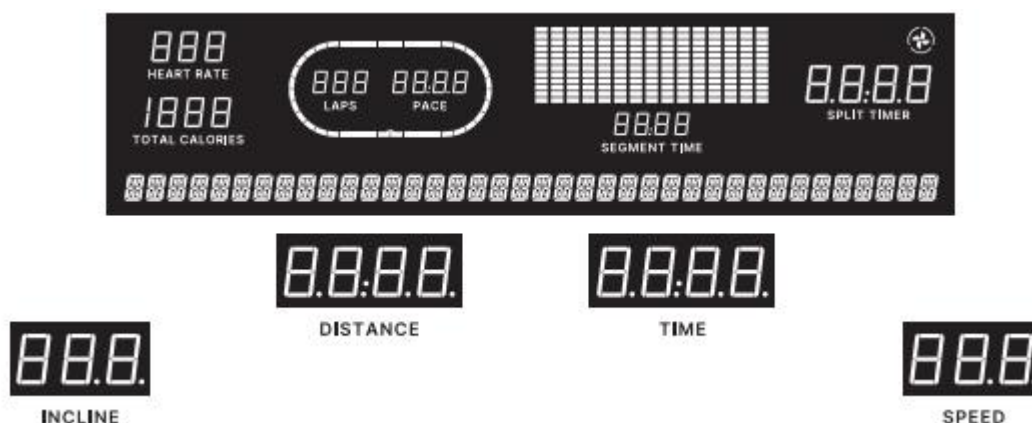
Console Operation



Note: There is a thin protective sheet of clear plastic on the overlay of the console that should be removed before use.

- A. **LCD DISPLAY:** Heart Rate, Total Calories, Laps, Pace, Segment time, Split Timer and Fan Levels.
- B. **LED WINDOWS:** Indicates what speed and incline is selected as well as distance and time of workout.
- C. **SMART WATCH READER:** Tap Apple Watch or Samsung Galaxy Watch to sync workout with treadmill.
- D. **SPLIT KEY:** Press to reset SPLIT TIME on the LCD.
- E. **START:** Press to START workout.
- F. **STOP:** Press to pause your workout. Hold for 3 seconds to end your workout and reset the console.
- G. **INCLINE QUICKDIAL:** Used to adjust incline in small increments

- H. **SPEED QUICKDIAL:** Used to adjust speed in small increments (.1 MPH).
- I. **INCLINE QUICK KEYS:** Used to reach desired incline more quickly.
- J. **SPEED QUICK KEYS:** Used to reach desired speed more quickly.
- K. **FAN KEY:** Press to change fan level.
- L. **FAN:** Personal workout fans.
- M. **SPEAKERS:** Music and audio feedback plays through the speakers.
- N. **USB PORT:** Used to charge most devices up to 1.0 amps and to install software updates.
- O. **BLUETOOTH KEY:** Used to connect / disconnect a BLUETOOTH Heart Rate device. LED will illuminate when a BLUETOOTH device is connected.
- P. **WATER BOTTLE POCKETS:** Water bottle and other personal item storage.
- Q. **TABLET/READING RACKS:** Holds tablet, phone or reading material.
- R. **PHONE HOLDER:** Holds your phone
- S. **INTERVAL BUTTONS:** These are programmable keys. When an user is selected, they can be programmed to a desired speed and incline setting.
- T. **WORKOUT KNOB:** Used for workout selection and volume control (during workout).
- U. **PROGRAM BUTTONS:** Select the desired preset program.



Display Windows

- **INCLINE:** Shown as percent. Indicates the incline of your walking or running surface.
- **DISTANCE:** Shown as miles. Indicates distance traveled during your workout.
- **TIME:** Shows either the total time elapsed or remaining; depending on the workout selected.
- **SPEED:** Shown as MPH. Indicates how fast your walking or running surface is moving.
- **HEART RATE:** Shown as BPM (beats per minute). Used to monitor your heart rate.
- (displayed when contact is made with both pulse grips or connected with a heart rate monitor).
- **TOTAL CALORIES:** Total calories burned during your workout.
- **LAPS:** Graphic showing laps around a track. One lap is 400 meters or 1/4 mile.
- **PACE:** Indicates how many minutes it takes to complete a mile while running or walking at your current speed.
- **GRAPH:** Demonstrates the incline or speed based on a time period, calorie target or distance target.
- **SEGMENT TIME:** Counts down from 60 seconds and repeats for the Quick Start or a time period defined in other programs tables.

- **SPLIT TIMER:** Time elapsed since the SPLIT key was last pressed

Getting Started

- Check to make sure no objects are placed on the belt that will hinder the movement of the treadmill.
- Plug in the power cord and turn the treadmill ON. (The ON/OFF switch is next to the power cord.)
- Stand on the side rails of the treadmill.
- Attach the safety key clip to part of your clothing making sure that it is secure and will not become detached during operation.
- Insert the safety key into the safety keyhole in the console.
- You have two options to start your workout.

A) QUICK START UP

Simply press the START key to begin working out. Time, distance, and calories will all count up from zero. OR...

B) SELECT A WORKOUT OR TARGET

- Select your USER by turning the workout knob and then pressing select when your desired USER is displayed.
- Select your WEIGHT by turning the workout knob and then pressing select when your desired WEIGHT is displayed.
- Select your PROGRAM by turning the workout knob and then pressing select when your desired PROGRAM is displayed.
- Adjust the SETTING by turning the workout knob and then pressing select when your desired SETTING is displayed.
- Press START to begin.

Program Information

Manual: Control everything about your workout – from start to finish. This program is a basic workout with no pre-defined settings, allowing you to manually adjust the machine at any time. It begins with an incline at 0 and speed at 0.5 mph.

Muscle Toner: Tones muscles by adjusting incline gradually while keeping you in your fat burning zone. Segments change every 30 seconds. Time based goal with 10 difficulty levels to choose from.

Calorie Goal: Set goals for burning calories from 20 to 980 calories in 20 calorie increments.

Distance: Push yourself and go further during your workout with 13 distance workouts. Choose from 1 mile, 2 miles, 5k, 5 miles, 10k, 8 miles, 15k, 10 miles, 20k, half marathon, 15 miles, 20 miles, and marathon goals.

Rolling Hills: A level-based workout that automatically adjusts the incline or resistance to simulate going up or down hills.

Intervals: A level- based workout that automatically adjusts the incline value at regular intervals.

Strength Builder: Time segments vary from 30 to 90 segments long to challenge your stamina and strength. Time based goal with 10 difficulty levels to choose from.

Target Heart Rate: This program is designed for you to improve your overall cardiovascular fitness levels. You simply set your target heart rate. The program will then monitor and adjust the intensity level to maintain your heart rate within your targeted range while you exercise – a proven method to maximize your weight loss and fitness goals. A heart rate strap / monitor is required and must be worn during the duration of this program.

Software Update

Software updates are possible using the USB port on the machine. To update the software for the console the file structure on the USB must be perfect.

1. The USB must first be formatted to FAT32.
2. Download the most recent software from CSWeb.
3. Create the following software structure on the USB. *Johnson/FWF/Console.bin*
4. If you've named everything correctly and the software is named properly the console will be automatically detected.
5. Press enter to initiate the software update. After the update is complete the console will restart.

Engineering Mode

Engineering Menu Overview

Hold the highest incline and speed quick key for 3-5 seconds to enter engineering mode.

Hold the “ stop “ key for 3 seconds to exit the current engineering mode.

Rotate the workout knob to select the engineering mode. Press “select” on workout knob to enter the selected mode.

ENG no	Note	Remark
ENG 1	Factory basic test Step 1 : Press the “select” button to run Step 2: Check all functions in general	
ENG2	LCB test Adjust “incline value”	
ENG4	Unit set 1. Press “ ENTER” then show “0 or 1”(mile/km) 2. Adjust mode 0 or 1 by press “ select”	
ENG5	ERP set : power saving function ON/OFF_ Press “ select” button to change on/off	
ENG6	Key tone set: Unmute keys ON/OFF_ Press “ select” button to change on/off	
ENG7	Lube belt After around 150 miles, the screen will show “ Lube belt”	
ENG8	Total Acc Accumulated time/ distance Total time: xxxx Total Distance: xxxx	
ENG9	User data clear Clear old data	
ENG10	Time fast set : Speed up time	Factory only
ENG11	Console to factory Only used for program developer	Factory only
ENG12	Error code set (ON/OFF) _ON: when occurring any issue, it will be noticed to user	Factory only
ENG13	VER check : software version	See Note Below*
ENG14	WEB OTA	Factory only

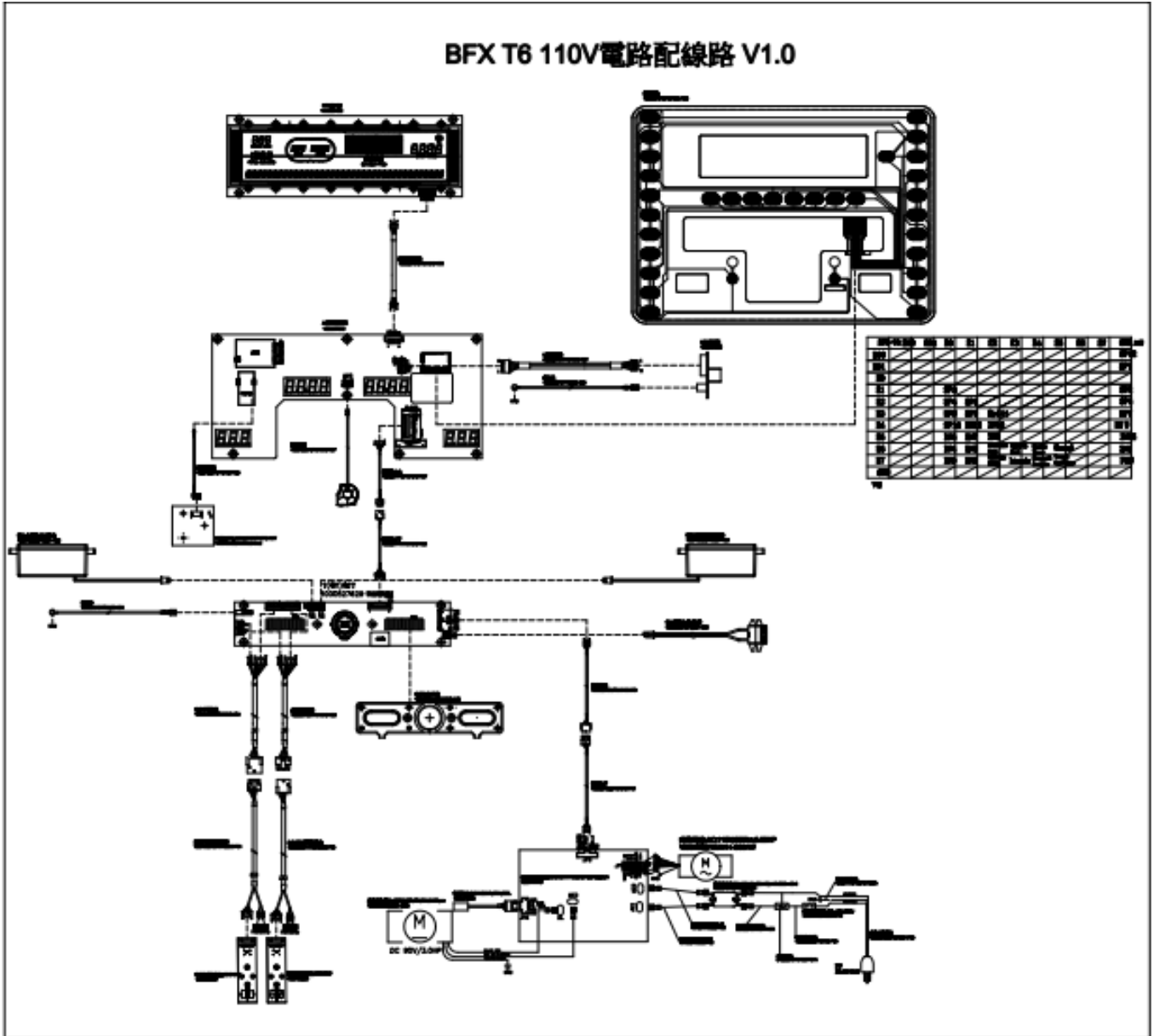
*This console has both an upper console board and a lower console board. Both are located within the console and bridge of the machine. When powering on the machine initially the upper console board software version will be displayed. When checking the console software version you must be aware that both the upper console software board version and lower console software board version have separate and distinct uses and must be used to assess the full software profile of the machine.

Troubleshooting

General Troubleshooting

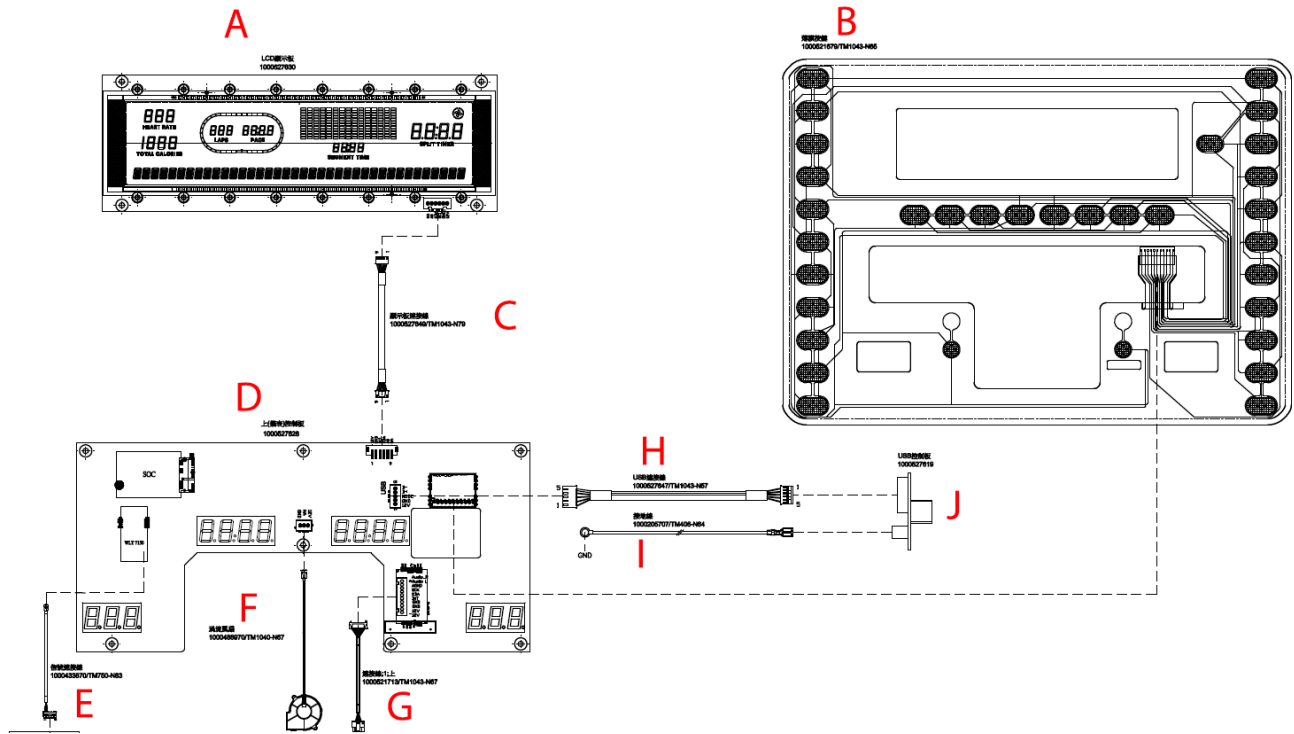
- a. **UPDATE TO THE LATEST SOFTWARE VERSION, if possible.**
- b. Cycling power is recommended as the first attempt to fix most failures, and after major repairs are implemented.
- c. Before replacing any major part, inspect the cables to/from it. Disconnect and inspect the connectors on both ends, as well as the terminals on the boards. If capable, use a multimeter to perform continuity tests to verify that all of the conductors are intact. If no damage/corrosion is noted, carefully reconnect the cables, ensuring proper seating and connection. Request replacement cables if at all suspicious.
- d. After each corrective action is taken, re-evaluate if the failure has been resolved. Some indications have a straightforward order of attempts, and not all steps are always necessary if a lower-level fix resolves the issue.

Electrical Diagram



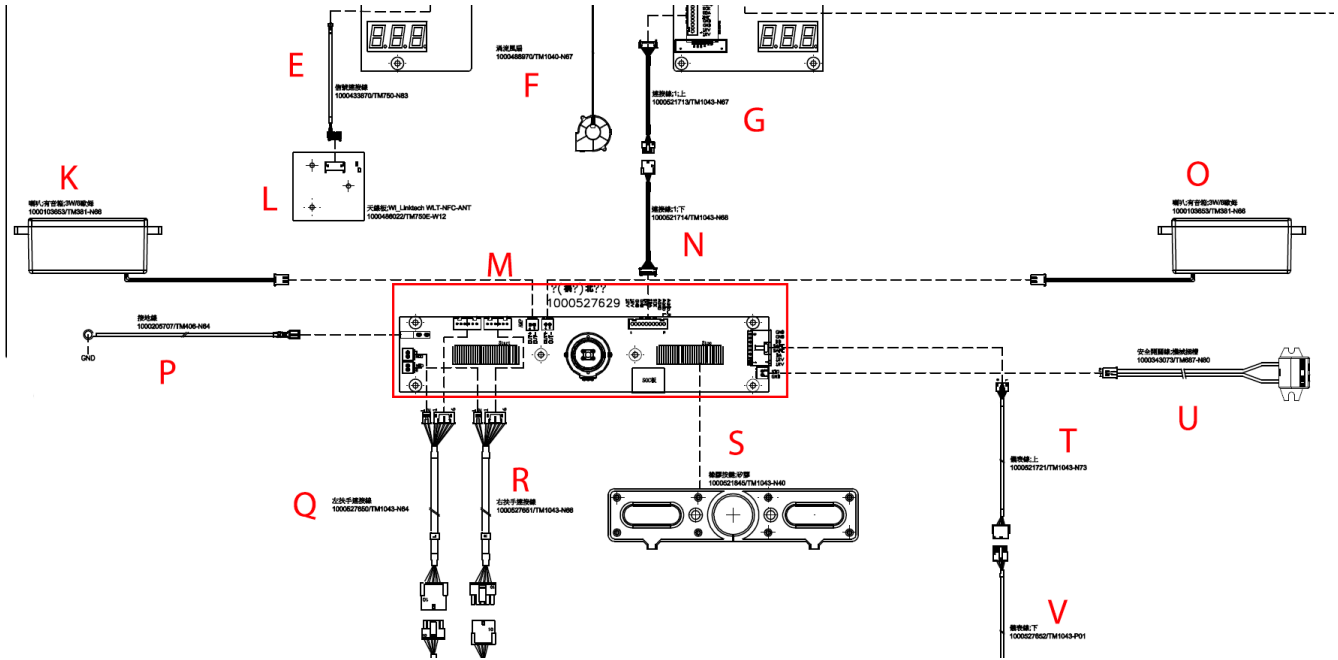
This is the full exploded electrical diagram. The diagram has been broken down into three zoomed in portions below for legibility.

Diagram 1



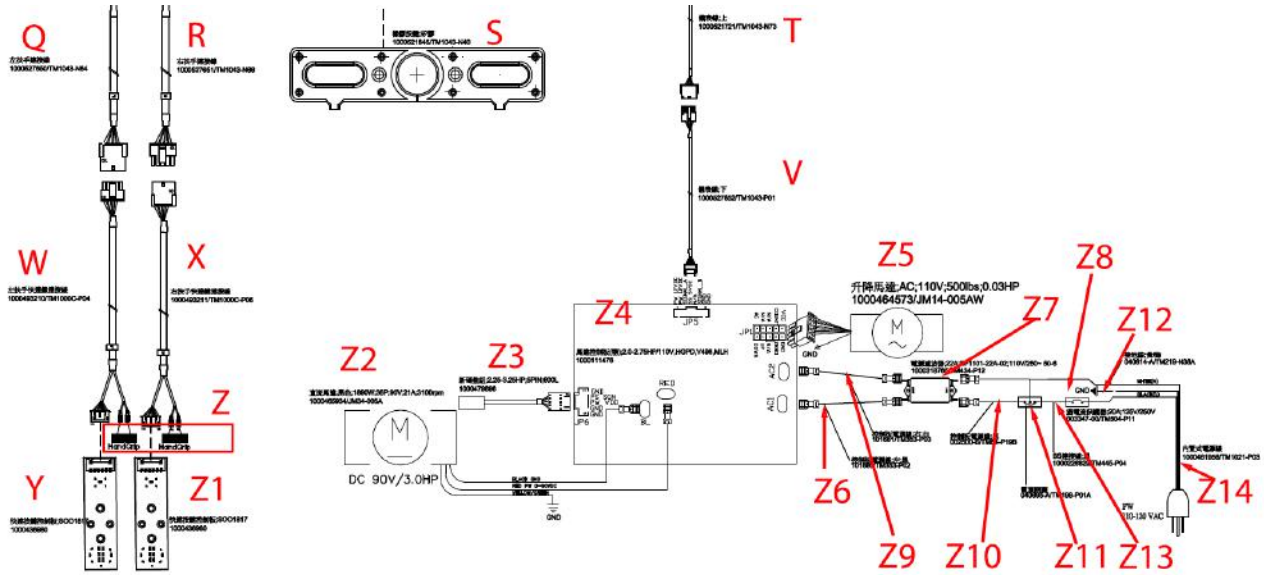
Designation	Part Number	Description
A	1000527630	Display board
B	1000521679	Membrane Keypad
C	1000527649	Display Board Wire
D	1000527628	(Up)Control panel
E	1000433870	Signal connected wire
F	1000488970	Fan
G	1000521713	Connect Wire
H	1000527647	USB CON Wire
I	1000205707	Ground Wire;;;Yellow/Green
J	1000527619	Control Board;USB

Diagram 2



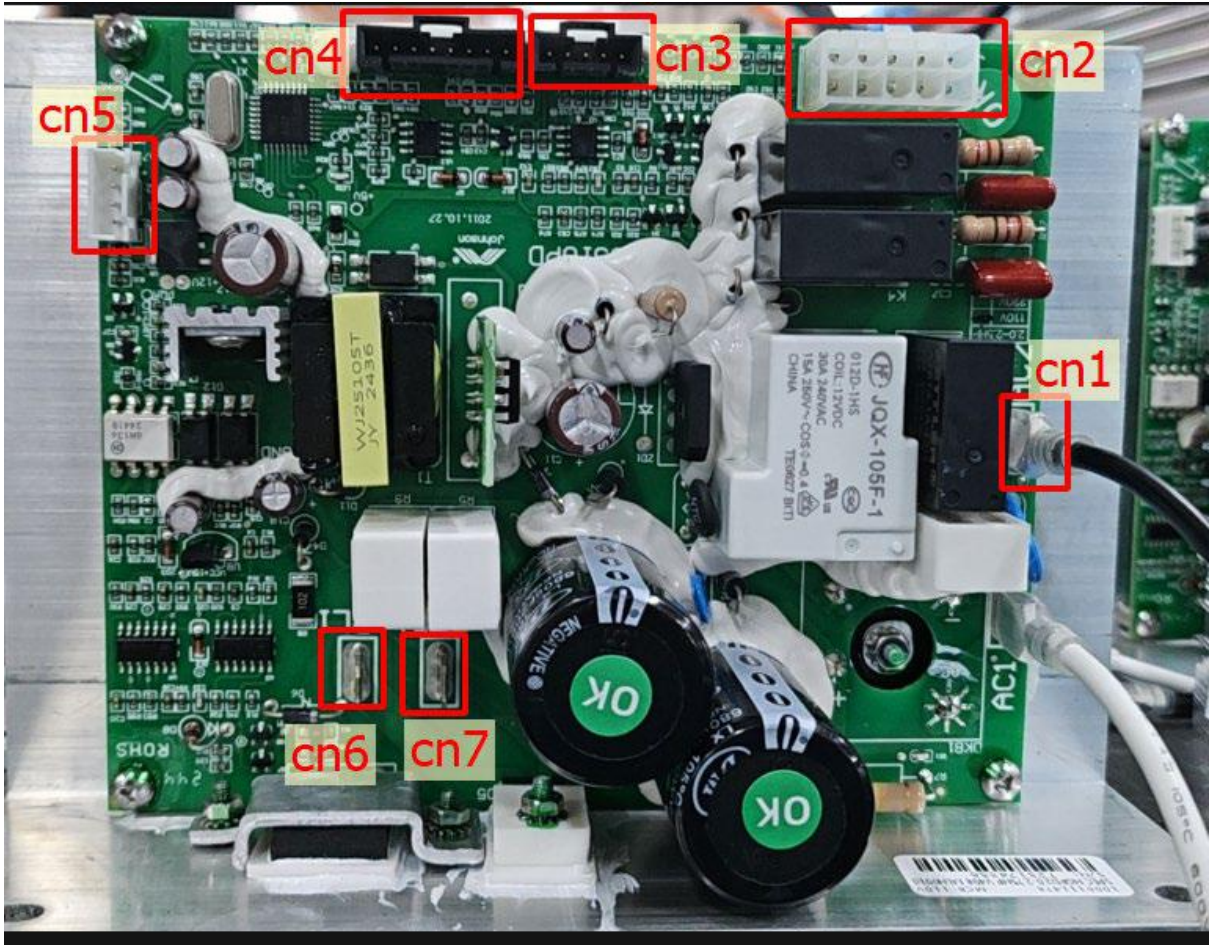
Designation	Part Number	Description
E	1000433870	Signal connected wire
F	1000488970	Fan
G	1000521713	Connect Wire
K	1000103653	Speaker
L	1000486022	Antena board
M	1000527629	Lower Console Control Board
N	1000521714	Connect Wire
O	1000103653	Speaker
P	1000205707	Ground Wire;;;Yellow/Green
Q	1000527650	Handlebar Wire;;Left
R	1000527651	Handlebar Wire;;Right
S	1000521845	Rubber Key
T	1000521721	Console Wire;;UP
U	1000343073	Safe Switch;;;Red
V	1000527652	Console Wire

Diagram 3



Designation	Part Number	Description
Q	1000527650	Handlebar Wire;;Left
R	1000527651	Handlebar Wire;;Right
S	1000521845	Rubber Key
T	1000521721	Console Wire;;UP
V	1000527652	Console Wire
W	1000493210	Arm Rest Quick Key CON Wire;;Left
X	1000493211	Arm Rest Quick Key CON Wire;;Right
Y	1000436980	Control Board;Quick Key
Z	Handgrip	Handgrip
Z1	1000436980	Control Board;Quick Key
Z2	1000465934	DC Motor;DC;Black;;1890W;36P;90V;21A
Z3	1000479896	Speed Sensor
Z4	1000111476	MCB;;;2.0-2.75HP (110V)
Z5	1000464573	Lift Motor;AC;110V
Z6	101680	CTRL Board Power Wire;;Left;Black
Z7	1000318765	Filter;Power;22A (110V)
Z8	003347-00	Overcurrent Breaker;20A;125V/250V
Z9	101681	CTRL Board Power Wire;;Right;White
Z10	002500-B	CTRL Board Power Wire;;;Black
Z11	040695-A	Power Switch;Single Pole;W/O Light
Z12	040614-A	GND;;;Yellow/Green
Z13	1000226829	BS Connect Wire;;;Black
Z14	1000461956	Inside Power Wire

MCB Wiring Instructions



CN 1	Power wire
CN 2	Elavator motor cable socket
CN 3	Speed sensor wire
CN 4	Console cable socket
CN6-7	Motor cable socket

Error Code Troubleshooting

This frame does not currently support error codes.

No Power to the Console

SYMPTOM: Turn on the power switch, but the console will not light up.

SOLUTION: Verify the following: Does the red light on the ON/OFF switch light up?

NOTE: Some treadmill models do not have a switch that lights up. If this is the case, please proceed with the yes and no solutions below.

If yes:

- a. Turn the power off, unplug the power cable and wait 60 seconds. Remove motor cover. Wait until all red LED lights have gone off on the motor control board before proceeding. Next verify that none of the wires connecting to the lower board are loose or disconnected.
- b. Double-check that all connections are secure, especially the console cable. Unplug and reconnect the console cable to verify.
- c. Make sure the console cable is not pinched or damaged in any way.
- d. Plug the treadmill in, turn the power switch on and look for any lit LEDs on the motor control board.

If no:

- a. Verify that the outlet the machine is plugged into is functional. Double-check that the breaker has not tripped, it is on a dedicated 15-amp circuit, it is not on a GFCI-equipped outlet, and it is not plugged into a power strip/surge protector or extension cord.
- b. Verify that the power cord is not pinched or damaged and is properly plugged into the outlet AND the machine.
- c. Verify that the power switch is turned to the ON position.

The console reads SAFETY KEY OFF or only displays dashes

SYMPTOM: The console reads SAFETY KEY OFF or only displays dashes

SOLUTION: Verify the following:

- Verify the safety key is securely in place.
- If using a magnetic key, make sure the key is magnetized.

Speed Accuracy

SYMPTOM: Operating speed appears inaccurate.

SOLUTION:

- Turn the treadmill off and unplug it from the wall.
- Remove the screws from the motor cover screws using a Phillips screwdriver.
- Verify that the optical sensor is plugged into the motor control board.
- Inspect the speed sensor cable/connection for any visible damage.
- Clean the speed sensor of hair, dust, and pet dander, a blocked speed sensor can cause issues with the speed of the treadmill.

Circuit Breaker Issue

SYMPTOM: The treadmill circuit breaker trips during a workout.

SOLUTION: Verify the following:

- Make sure the treadmill is plugged into a dedicated 15-amp circuit.
- Verify that you do not have the machine on an extension cord or surge protector.
- Confirm that the machine is not plugged into a GFCI-equipped outlet or on a circuit that has a GFCI-equipped outlet on it

Incline Motor Issue

SYMPTOM: The incline does not move, won't go down or does not seem to be at the right level.

SOLUTION:

- Make sure you are following the recommendations and power guidelines. The unit should be on a dedicated 15-amp circuit and not on a GFCI-equipped outlet. Do not plug the machine into a power strip/surge protector or extension cord.
- Make sure the console shows a change on the display when the elevation buttons are pressed.
- Turn the treadmill off and unplug it from the outlet. Verify the console cable connections at the top of the mast are connected securely. Make sure all of the multicolored wires are fully inserted into the cable harness.
- Remove the plastic motor cover located in front of the machine by taking out the Phillips screws. Check over the wire and cable connections, as they may have become loose or disconnected during shipping or assembly. Make sure connections are secure and no wires are crimped, damaged, disconnected or burnt.

Speaker Issue

SYMPTOM: There is no sound coming from the speakers, but the headphones work.

SOLUTION: Verify the following:

- Make sure the volume of audio player is turned up.
- Confirm the correct device is connected via Bluetooth.
- Turn the treadmill off and unplug it from the outlet. Remove the plastic motor cover located in front of the machine by taking out the Phillips screws.
- Check the wire and cable connections to the speaker board, near the motor control board.

Message reading "Speed Range Error – Ending Workout" appears.

- This is a safety feature that automatically cuts power to the drive motor when the speed is out of range due to the combination of the load on the belt and high degree of incline.
- To prevent an automatic end to your workout, reduce the incline level percentage.

Belt Issue

SYMPTOM: The belt does not move or moves briefly, but the console works.

SOLUTION: Verify the following:

- Make sure you are following the recommendations and power guidelines of this OWNER'S MANUAL. The unit should be on a dedicated 15-amp circuit and not on a GFCI-equipped outlet. Do not plug the machine into a power strip/surge protector or extension cord.
- Make sure the speed sensor is plugged in, if unplugged, plug it back in and power cycle the unit.
- Check for any belt movement. If so, make note of how far or how long it moves before stopping.
- Try to move the belt by hand. If not, the drive belt may have come off or the motor bearings may have seized.
- Turn the treadmill off and unplug it from the outlet. Remove the plastic motor cover located in front of the machine by taking out the Phillips screws. Check the drive belt for proper alignment.
- With the cover still off, check over the wire and cable connections, as they may have become loose or disconnected during shipping or assembly. Make sure connections are secure and no wires are crimped, damaged, disconnected or burnt. Power cycle after connecting any loose wires.

Part Replacement

ESD (electrostatic discharge) damage can occur to console electronics when static buildup on people or work surfaces discharges through circuit boards or wires. For this reason, we recommend wearing a properly grounded ESD wrist strap and working upon properly grounded ESD mats whenever you are working on or near a circuit board. Please see the link below for an example of suitable ESD equipment for these tasks.

https://www.amazon.com/iFixit-145202-4-Portable-Anti-Static-Mat/dp/B01BLPBOS4/ref=sr_1_8?dchild=1&keywords=ESD+Mat&qid=l600353374&sr=8-8

If no ESD protection is available, refrain from touching the circuit boards as much as possible when checking connections.

Motor Cover Replacement

1. Turn off and unplug the unit.
2. Remove the screws holding the motor cover (1 front screw and 2 screws each side) to the frame and remove the motor cover.



3. Reverse Steps 1-2 to install a new motor cover.

End Cap Replacement

1. Remove the screw securing the end cap to the rear of the treadmill.



2. The end cap may now be freely removed.

Side Rail Replacement

1. Remove the end cap as explained above.
2. The left and right underside of the deck has two screws each securing a side rail in place. These screws must be removed.



3. Slide the side rail backwards away from the front of the treadmill.



4. Reverse step 1-3 to install a new side rail

Rear Roller Replacement

1. Remove the end cap as outlined in the end cap replacement section.
2. Remove both bolts securing the rear roller in place.



3. Slide the rear roller out.
4. Reverse steps 1-3.
5. Center and tension the belt before using the treadmill again. Instructions on how to do that can be found in this guide and the Owner's Manual.

Running Deck Replacement

1. Remove the end cap as outlined in section of end cap replacement
2. Remove side rails as outlined in section of side rail replacement
3. Remove the rear roller as outlined in section of rear roller replacement
4. Remove the bolts and rail locks on the running deck. The elastomers may come lose.

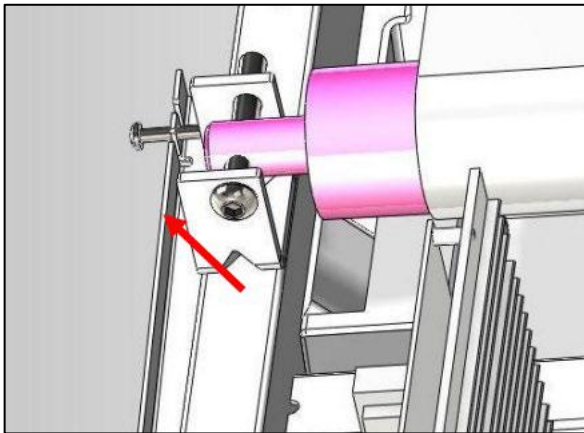


5. Remove the running deck from the running belt.
6. Remove the running belt (The running belt and deck must be replaced at the same time, you may not only replace the running deck.
7. Install the new running belt and deck and apply silicon oil while the belt is loose.
8. Reverse steps 1-4.

NOTE: New deck surfaces must ALWAYS be matched to a new running belt and apply silicon oil between the running belt and deck.

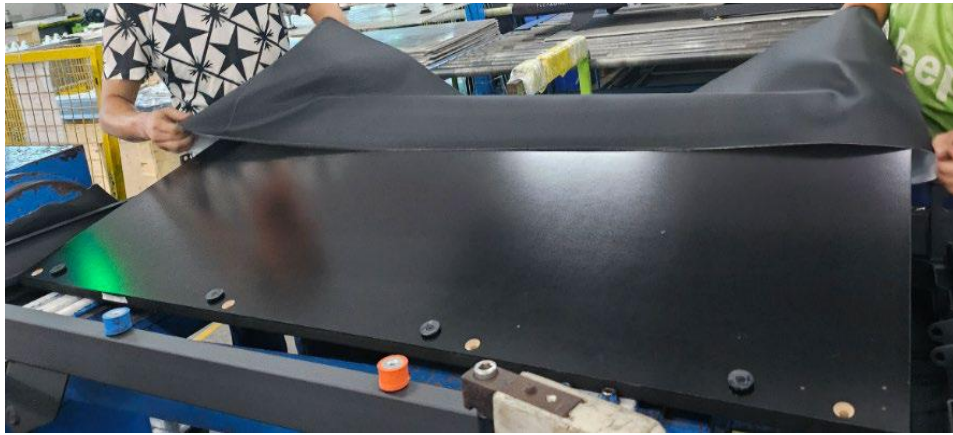
Front Roller Replacement

1. Remove the motor cover as outlined in section of motor cover replacement.
2. Loosen both of the rear roller screws to remove tension of the running belt.
3. Remove the front roller screw.
4. When both screws in the rear roller have been loosened sufficiently there is enough slack in the drive belt to remove the front roller from the frame. There is a oblong slot that allows the left side of the roller head to sit freely, the roller is secured in place by the tension the rear roller puts on the belt which in turn maintains pressure on the front roller.
5. Reverse Steps 1-4 to install a new front roller



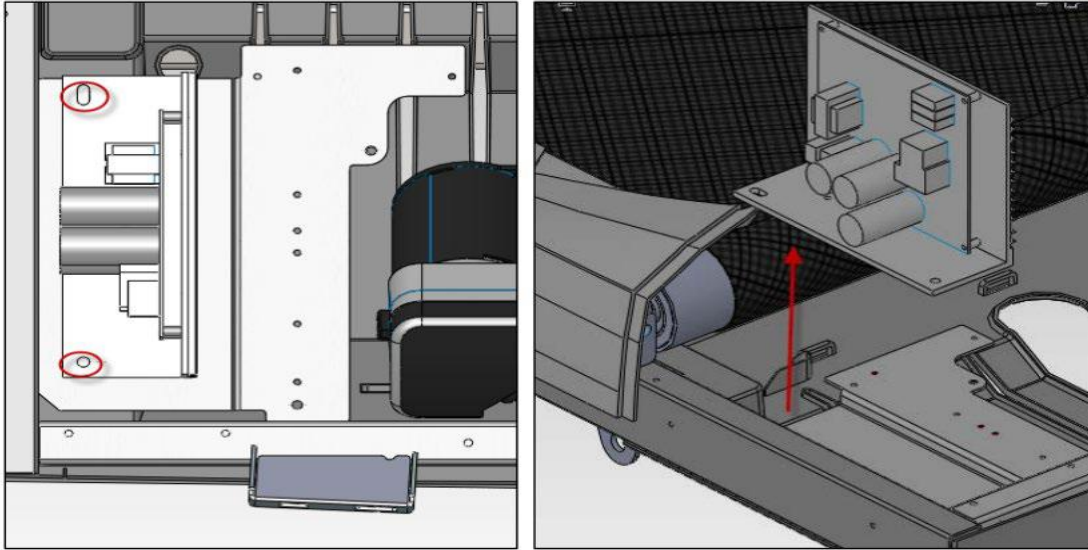
Running Belt Replacement

1. Remove the motor cover as outlined in the motor cover replacement section.
2. Remove the end cap as outlined in the end cap replacement section.
3. Remove side rails as outlined in the side rail replacement section.
4. Remove the rear roller as outlined in section of rear roller replacement.
5. Remove the bolt from the front roller.
6. Remove the running deck as outlined in section of running deck replacement.
7. Lift up one side of the front roller and then slide out of running belt.
8. Reverse Step 1-7 to install a new running belt.



Motor Control Board (MCB) Replacement

1. Turn off power and disconnect the cord from the machine.
2. Remove the motor cover as outlined in the motor cover replacement section.
3. Disconnect all wires from the MCB.
4. Remove the 2 screws holding each side of the MCB to the frame and remove the faulty MCB.



5. Reverse Steps 1-4 to install a new MCB. Make sure that all wires removed during Step 3 are re-connected. And wire zip ties have been used to keep wires from interacting with moving parts of the treadmill.

Drive Motor Replacement

1. Turn off power to the treadmill and disconnect the power cord.
2. Remove the motor cover as outlined in Section above.
3. Disconnect the motor cable ground wire from the grounding post.
4. Disconnect the motor cable from the MCB.
5. Remove the 2 screws holding the motor to the frame (Figure A).

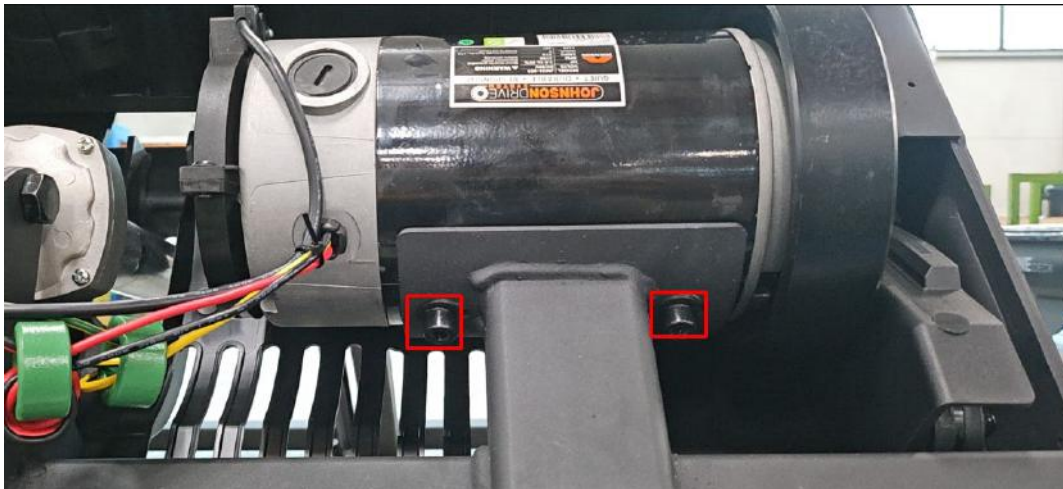
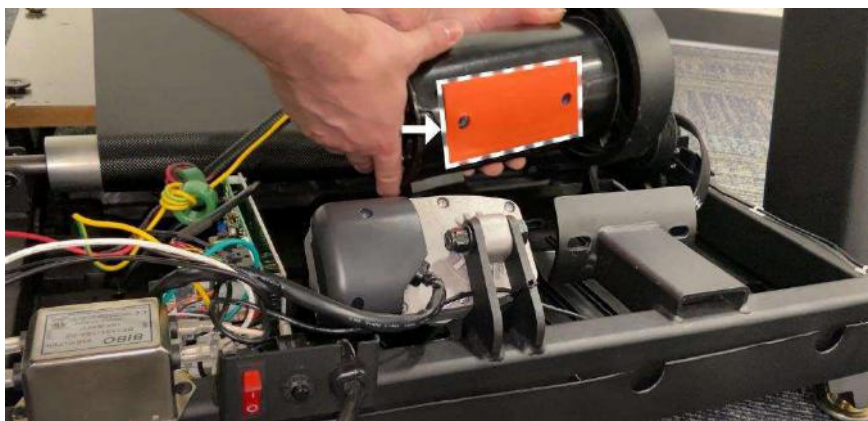


Figure A

6. Remove the motor from the treadmill
7. Reverse Steps 1-6 to install a new motor.

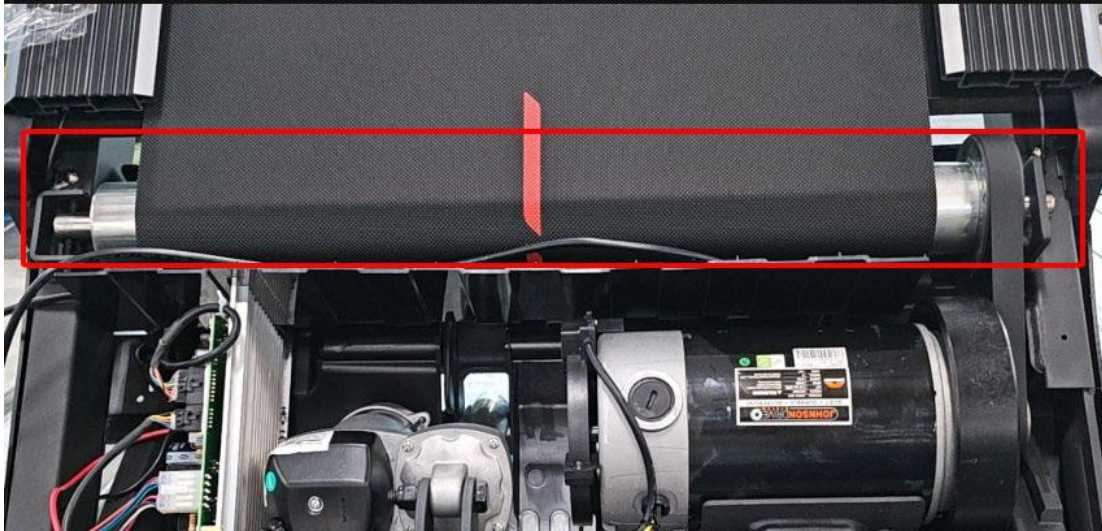
NOTE:

Be sure that the motor isolator pad is in place prior to mounting the new motor.



Drive Belt Replacement

1. Turn off power to the treadmill and disconnect the power cord.
2. Remove the motor cover as outlined in the motor replacement section.
3. Loosen the rear roller screws to relieve tension on the running belt.
4. Remove screw from the front roller.
5. Remove the front roller.
6. The drive belt can now be removed and a new belt can be installed.



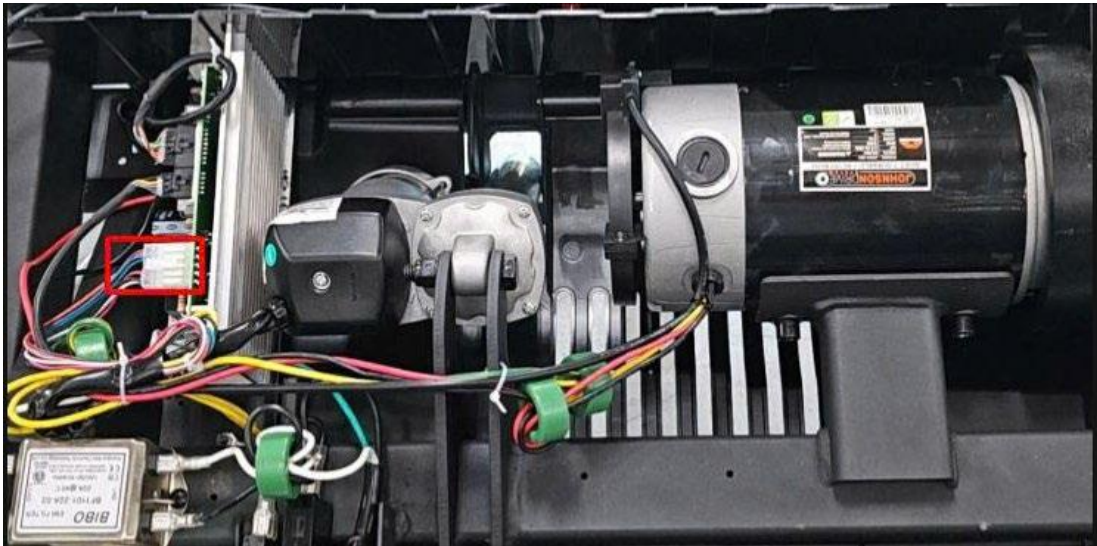
7. Reverse Steps 1-6 to install a new drive belt.

Note: When installing new drive belt, insert drive belt in the correct groove as shown below and make sure it is properly aligned:



Incline Motor Replacement

1. Turn off power to the treadmill and disconnect the power cord.
2. Remove the motor cover as outlined in the motor cover replacement section.
3. Disconnect the incline motor cable from the MCB and the top 2 ground wires from the grounding post.



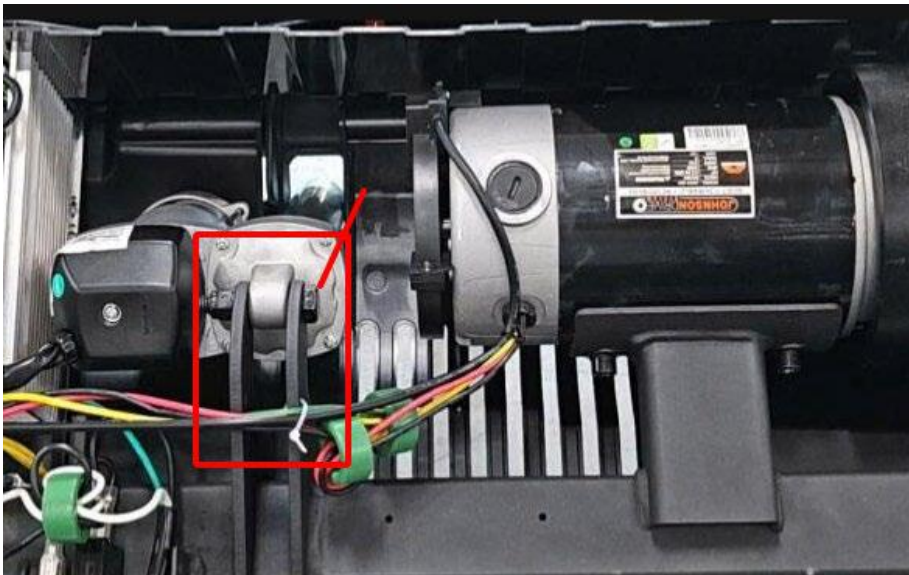
4. Place the treadmill in the folded position. Never work under the treadmill without someone present to fully secure the deck.



5. Remove the bolt securing the bottom of the incline motor to the elevation rack.



6. Disconnect the incline motor from the top mounting bracket.



7. Remove the faulty incline motor and reverse Steps 1-6 to install a new incline motor.

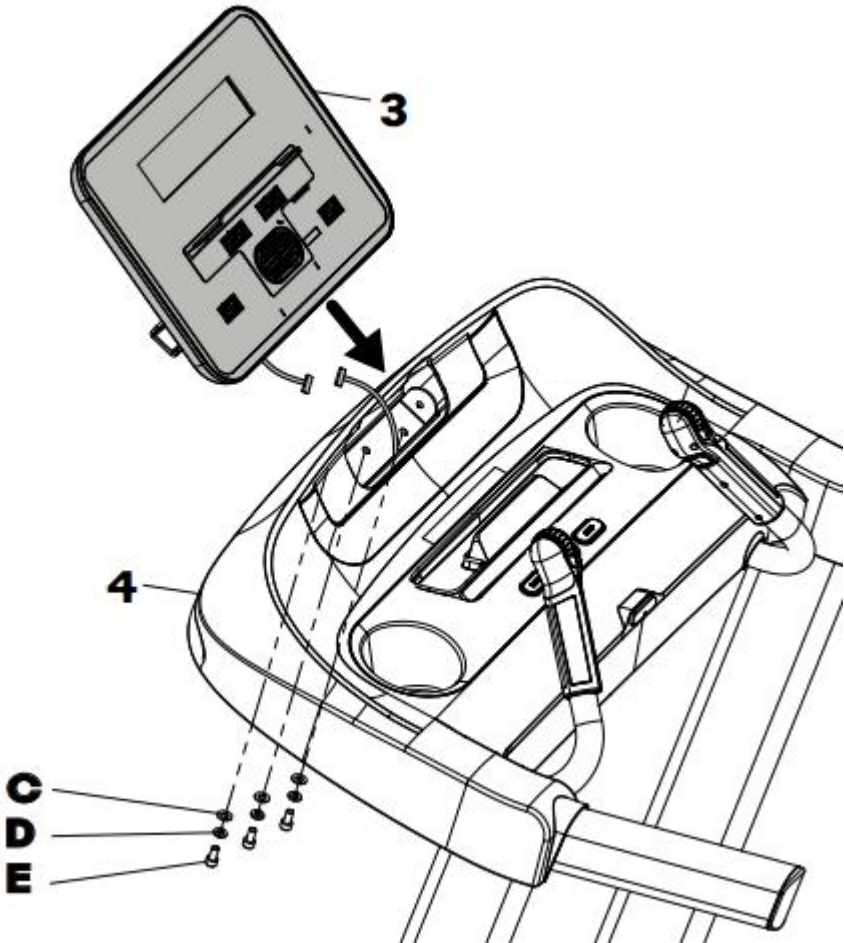
NOTE: When installing a new incline motor, make sure to replace the white nylon washers at the top and bottom connection points of the incline motor.

Console Overlay Set Replacement

- 1. Unplug the unit from the wall.



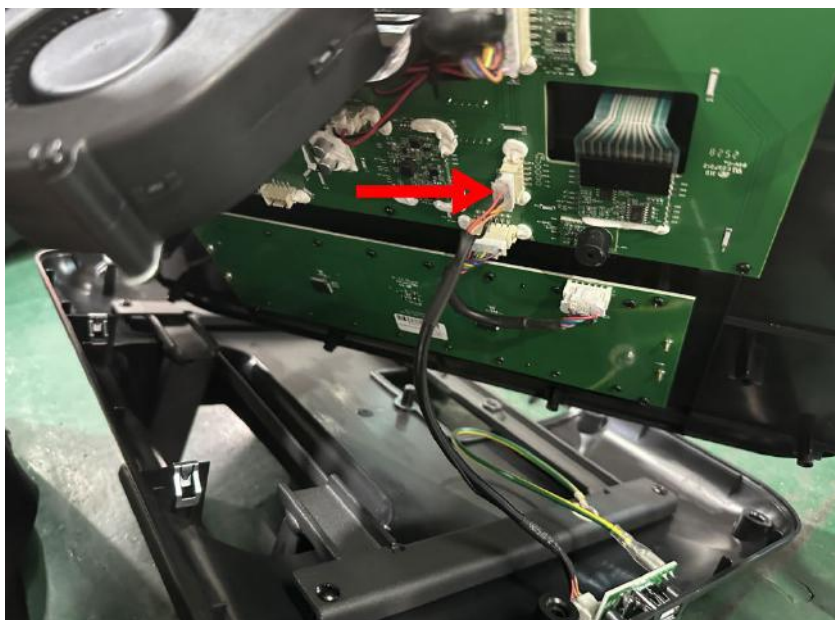
- 2. Disconnect the console (3) from the frame of the machine, removing the bolts (E) as well as disconnecting all wires.



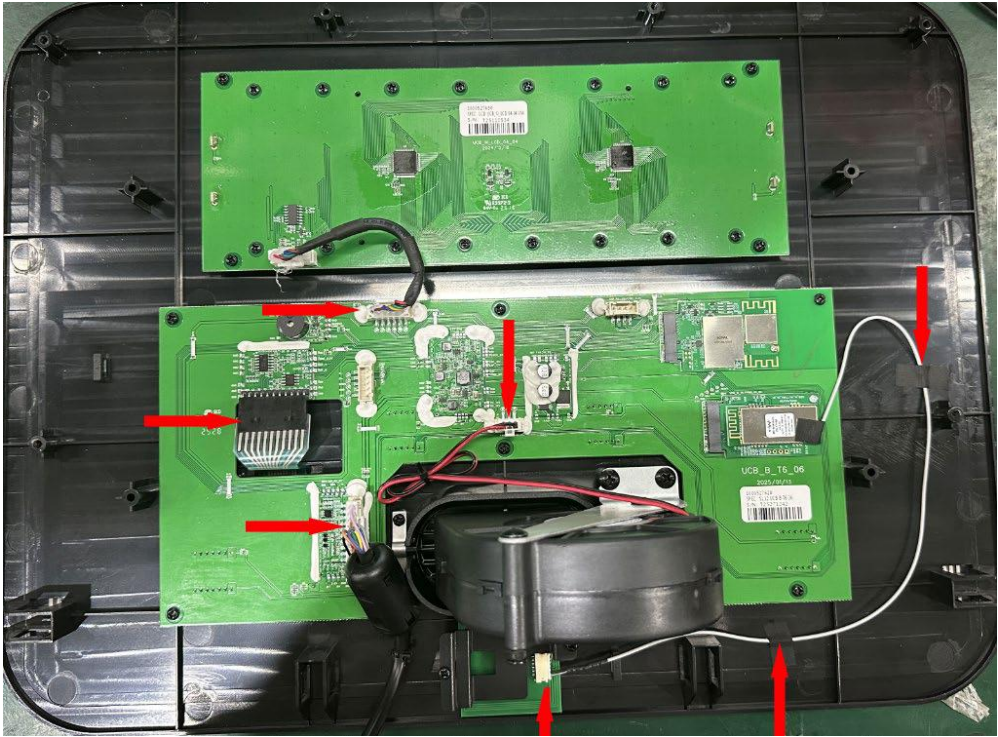
3. Open the back of the console by removing the screws.



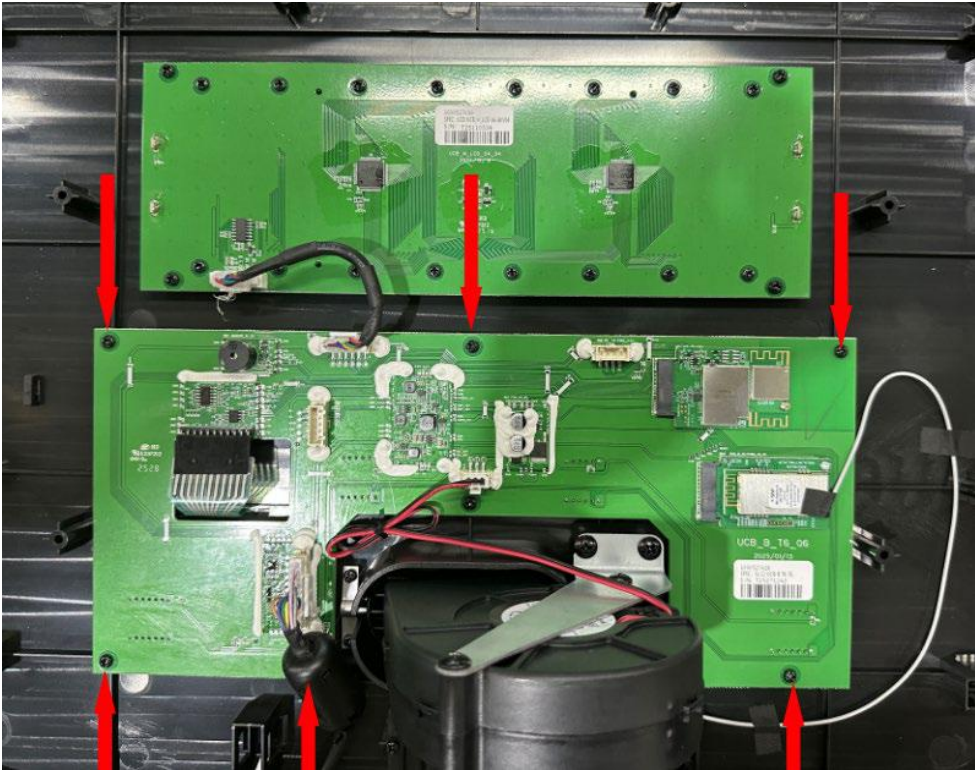
4. When removing the back cover of the console, you'll need to disconnect the USB connection wire before being able to fully remove the back cover.



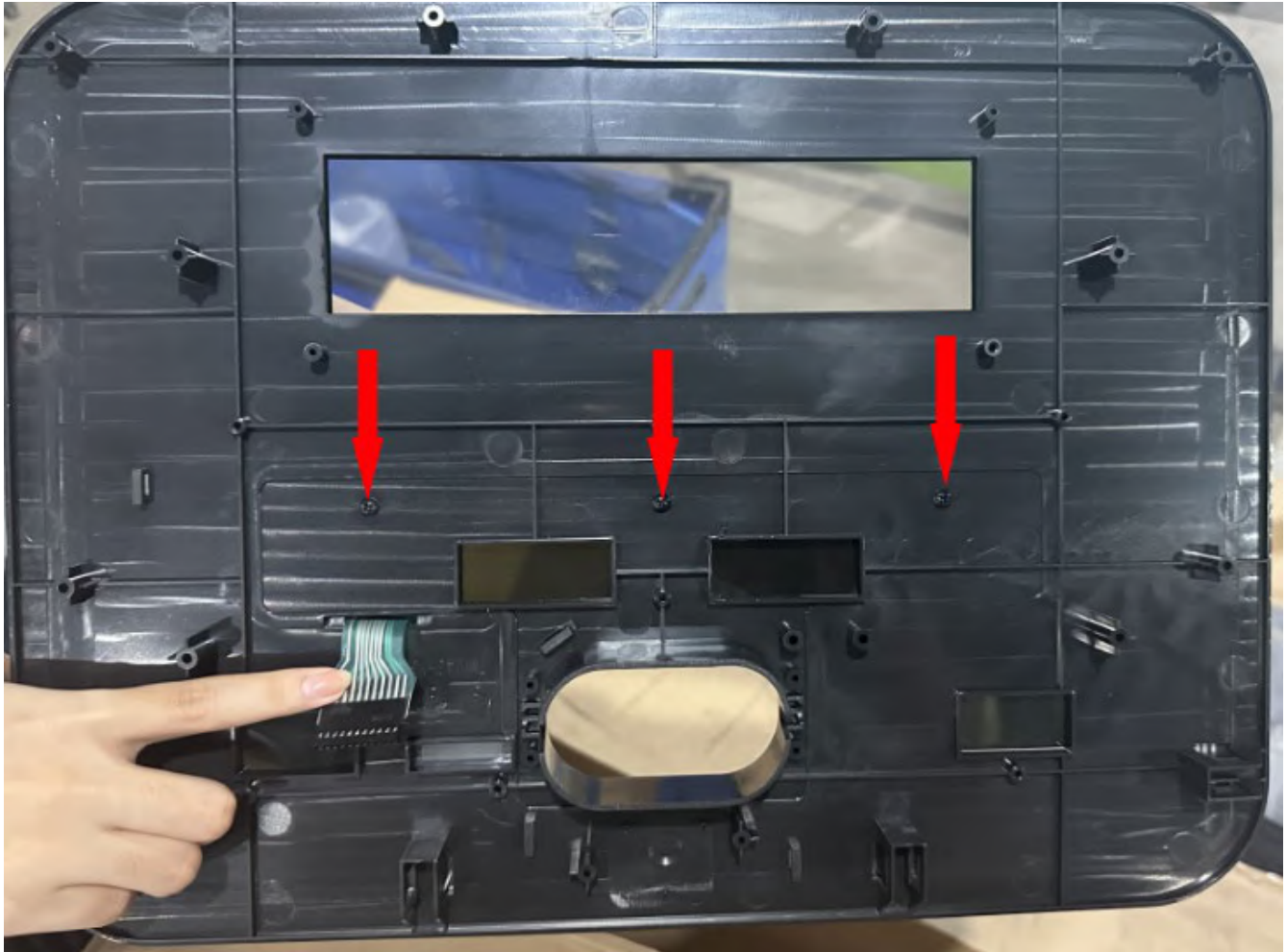
- 5. Disconnect the indicated wires from the UCB, you'll also need to remove the black tape securing the RFID sensor wire.



- 6. Remove the 6 screws securing the UCB to the plastic frame.



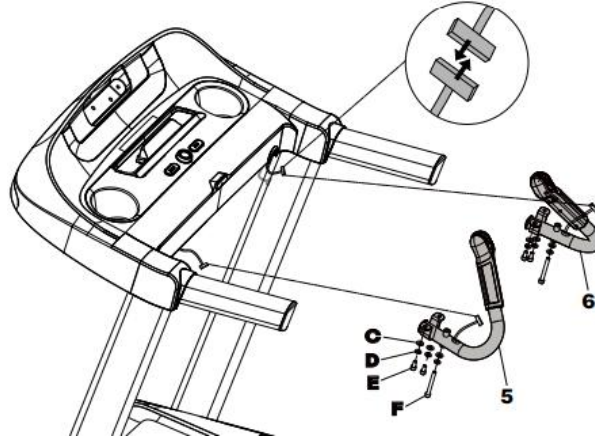
7. Remove these three screws that secure the reading rack plastic.



8. You can now peel the overlay from the front of the console, you may also remove the membrane keypad if necessary.
9. After removing the overlay and keypad you can install the new overlay and keypad parts.
10. Reverse steps 1-7 to finish installation.

Heart Rate Board Replacement

1. Turn off power to the treadmill and remove the power cord.
2. Disconnect the handgrip connection wire and disconnect the handgrip from the frame.



3. Loosen the screws which fix the heart rate sensor (Figure A)



Figure A

4. Disconnect the wire connections that go to the heart rate board (Figure B).



Figure B

5. Reverse Step 1-4 to install a new heart rate board.

CHANGE LOG

Change Log

Version	Date	Details	By
1	2025-09-11	Original Version	Kathy Pham