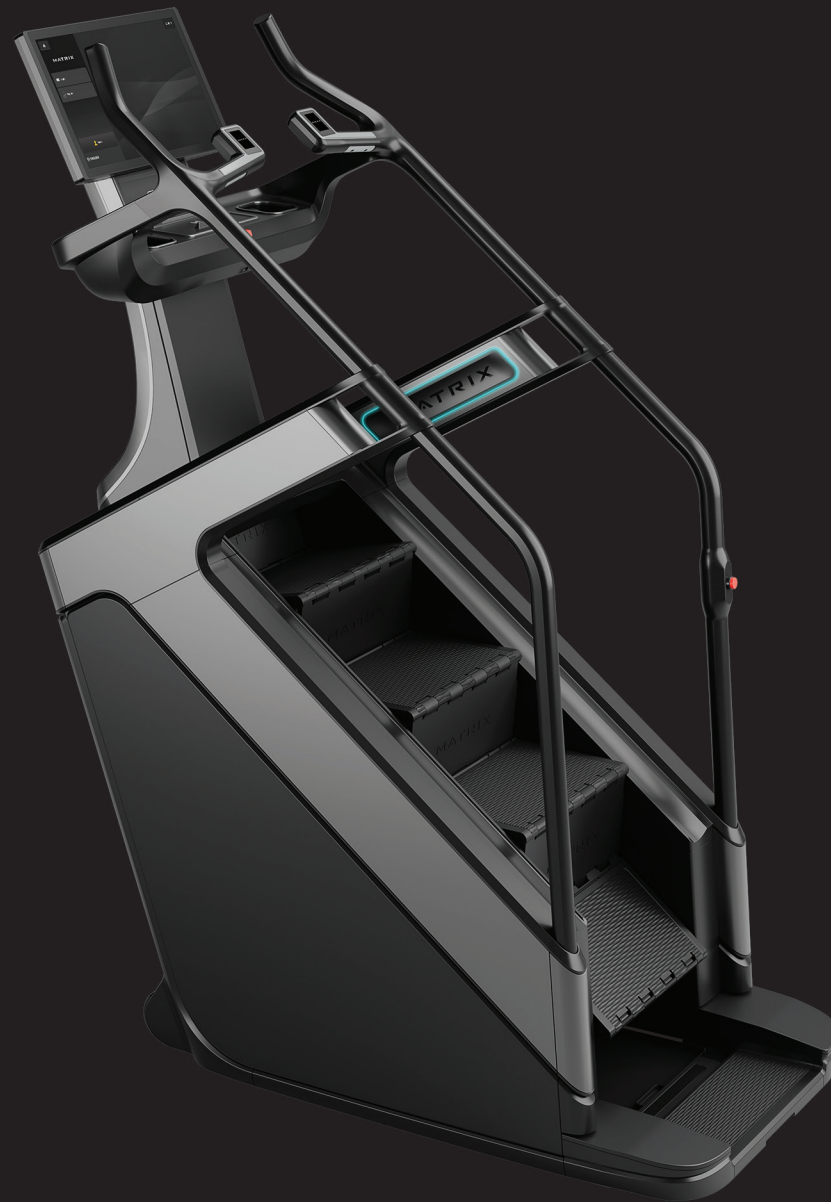


MATRIX

CLIMBMILL



ONYX



# IMPORTANT PRECAUTIONS

## SAVE THESE INSTRUCTIONS

When using Matrix exercise equipment, basic precautions should always be followed, including the following: Read all instructions before using this equipment. It is the responsibility of the owner to ensure that all users of this equipment are adequately informed of all warnings and precautions.

This equipment is for indoor use only. This training equipment is a Class S product designed for use in a commercial environment such as a fitness facility.

This equipment is for use only in a climate-controlled room. If your exercise equipment has been exposed to colder temperatures or high moisture climates, it is strongly recommended that this equipment is warmed up to room temperature prior to use.

## DANGER!

### TO REDUCE THE RISK OF ELECTRICAL SHOCK:

Always unplug the equipment from the electrical outlet before cleaning, performing maintenance and putting on or taking off parts.

## WARNING!

### TO REDUCE THE RISK OF BURNS, FIRE, ELECTRICAL SHOCK OR INJURY TO PERSONS:

- Use this equipment only for its intended use as described in this guide and in the equipment's Owner's Manual.
- At NO time should children under the age of 14 use the equipment.
- At NO time should pets or children under the age of 14 be closer to the equipment than 10 feet / 3 meters.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been given instruction concerning use of the equipment by a person responsible for their safety.
- Always wear athletic shoes while using this equipment. NEVER operate the exercise equipment with bare feet.
- Do not wear any clothing that might catch on any moving parts of this equipment.
- Heart rate monitoring systems may be inaccurate. Over exercising may result in serious injury or death.
- Incorrect or excessive exercise may result in serious injury or death. If you experience any kind of pain, including but not limited to chest pains, nausea, dizziness, or shortness of breath, stop exercising immediately and consult your physician before continuing.
- Do not jump on the equipment.
- At no time should more than one person be on the equipment.
- Set up and operate this equipment on a solid level surface.
- Never operate the equipment if it is not working properly or if it has been damaged.
- Use handlebars to maintain balance when mounting and dismounting, and for additional stability while exercising.
- To avoid injury, do not expose any body parts (for example, fingers, hands, arms or feet) to the drive mechanism or other potentially moving parts of the equipment.
- Connect this exercise product to a properly grounded outlet only.
- This equipment should never be left unattended when plugged in. When not in use, and prior to servicing, cleaning, or moving equipment, turn off power, then unplug from outlet.

- Do not use any equipment that is damaged or has worn or broken parts. Use only replacement parts supplied by Customer Technical Support or an authorized dealer.
- Never operate this equipment if it has been dropped, damaged, or is not working properly, has a damaged cord or plug, is located in a damp or wet environment, or has been immersed in water.
- Keep power cord away from heated surfaces. Do not pull on this power cord or apply any mechanical loads to this cord.
- Do not remove any protective covers unless instructed by Customer Technical Support. Service should only be done by an authorized service technician.
- To prevent electrical shock, never drop or insert any object into any opening.
- Do not operate where aerosol (spray) products are being used or when oxygen is being administered.
- This equipment should not be used by persons weighing more than the specified maximum weight capacity as listed in the equipment Owner's Manual. Failure to comply will void the warranty.
- This equipment must be used in an environment that is both temperature and humidity controlled. Do not use this equipment in locations such as, but not limited to: outdoors, garages, car ports, porches, bathrooms, or located near a swimming pool, hot tub, or steam room. Failure to comply will void the warranty.
- Contact Customer Technical Support or an authorized dealer for examination, repair and/or service.
- Never operate this exercise equipment with the air opening blocked. Keep the air opening and internal components clean, free of lint, hair, and the like.
- Do not modify this exercise device or use unapproved attachments or accessories. Modifications to this equipment or use of unapproved attachments or accessories will void your warranty and may cause injury.
- To clean, wipe surfaces down with soap and slightly damp cloth only; never use solvents. (See MAINTENANCE)
- Use the stationary training equipment in a supervised environment.
- Individual human power to perform exercise may be different than the mechanical power displayed.
- When exercising, always maintain a comfortable and controlled pace.
- See maintenance section. "Actions" and "frequencies" must be followed.



## POWER REQUIREMENTS

### CAUTION!

This equipment is for indoor use only. This training equipment is a Class S product designed for use in a commercial environment such as a fitness facility.

1. Do not use this equipment in any location that is not temperature controlled, such as but not limited to garages, porches, pool rooms, bathrooms, car ports or outdoors. Failure to comply may void the warranty.
2. It is essential that this equipment is used only indoors in a climate controlled room. If this equipment has been exposed to colder temperatures or high moisture climates, it is strongly recommended that the equipment is warmed up to room temperature and allowed time to dry out before first time use.
3. Never operate this equipment if it has been dropped, damaged, or is not working properly, has a damaged cord or plug, is located in a damp or wet environment, or has been immersed in water.

### ELECTRICAL REQUIREMENTS

Any alterations to the standard power cord provided could void all warranties of this product.

For units with an integrated TV (ONYX), the TV power requirements are included in the unit. An RG6 quad shield coaxial cable with 'F Type' compression fittings on each end will need to be connected to the cardio unit and the video source. Additional power requirements are not needed for the add-on digital TV.

### 120 V UNITS

Units require nominal 120 VAC, 50-60 Hz and at least a 15 A circuit with a dedicated neutral and dedicated ground wires with no more than 4 units per circuit. The electrical outlet must have a ground connection and have the same configuration as the plug included with the unit. No adapter should be used with this product.

### 220-240 V UNITS

Units require nominal 220-240 VAC, 50-60 Hz and at least a 10 A circuit with a dedicated neutral and dedicated ground wires with no more than 4 units per circuit. The electrical outlet must have a ground connection and have the same configuration as the plug included with the unit. No adapter should be used with this product.

### GROUNDING INSTRUCTIONS

The unit must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. The unit is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. If the user does not follow these grounding instructions, the user could void the Matrix limited warranty.

### ENERGY SAVING / LOW-POWER MODE

All units are configured with the ability to enter into an energy saving / low-power mode when the unit has not been in use for a specified period of time. Additional time may be required to fully reactivate this unit once it has entered the low-power mode. This energy saving feature may be enabled or disabled from within the 'Manager Mode' or 'Engineering Mode.'



# ASSEMBLY

## UNPACKING

Unpack the equipment where you will be using it. Place the carton on a level flat surface. It is recommended that you place a protective covering on your floor. Never open box when it is on its side.

## IMPORTANT NOTES

- All video and power outlets must be functional the day of delivery / assembly of the product. The client is responsible for any additional installation charges associated with return visits.
- During each assembly step, ensure that ALL nuts and bolts are in place and partially threaded.
- Several parts have been pre-lubricated to aid in assembly and usage. Please do not wipe this off. If you have difficulty, a light application of lithium grease is recommended.

## WARNING!

There are several areas during the assembly process that special attention must be paid. It is very important to follow the assembly instructions correctly and to make sure all parts are firmly tightened. If the assembly instructions are not followed correctly, the equipment could have parts that are not tightened and will seem loose and may cause irritating noises. To prevent damage to the equipment, the assembly instructions must be reviewed and corrective actions should be taken.

## NEED HELP?

If you have questions or if there are any missing parts, contact Customer Tech Support.

## TOOLS REQUIRED:

- 6mm Allen Wrench
- 8mm Allen Wrench
- Philips Screwdriver

## PARTS INCLUDED:

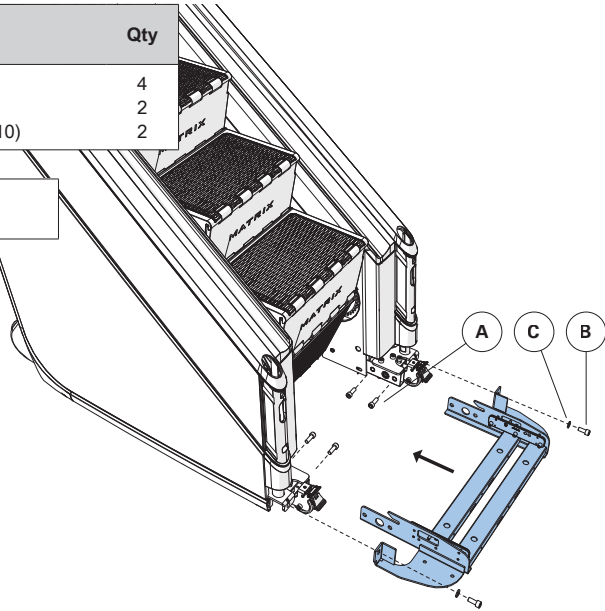
- 1 Main Frame
- 1 Control Zone
- 1 Control Zone Cover
- 1 Sweat Collector Tray
- 1 Upper Step Cover
- 2 Connection Tube Sets
- 1 Upper Cover
- 2 Lower Armrest Sets
- 1 Console Mast Set
- 1 Console Bridge Set
- 2 Upper Armrest Sets
- 1 Console Mast Cover
- 4 Armrest Covers
- 1 Power Cord
- 1 Hardware Kit

Console sold separately

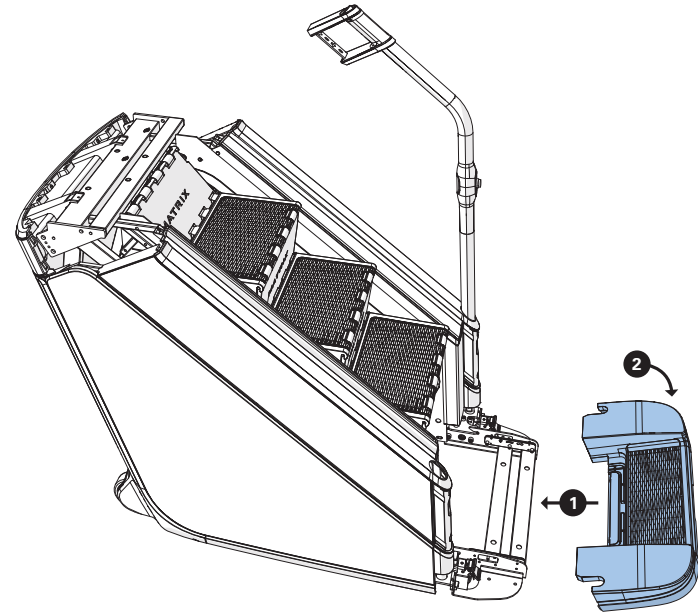
# ASSEMBLY

1	Hardware	Qty
A	Bolt (M10x30L)	4
B	Bolt (M10x25L)	2
C	Flat Washer (M10)	2

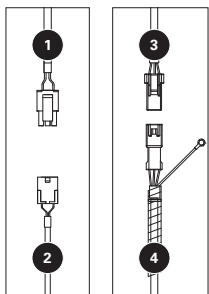
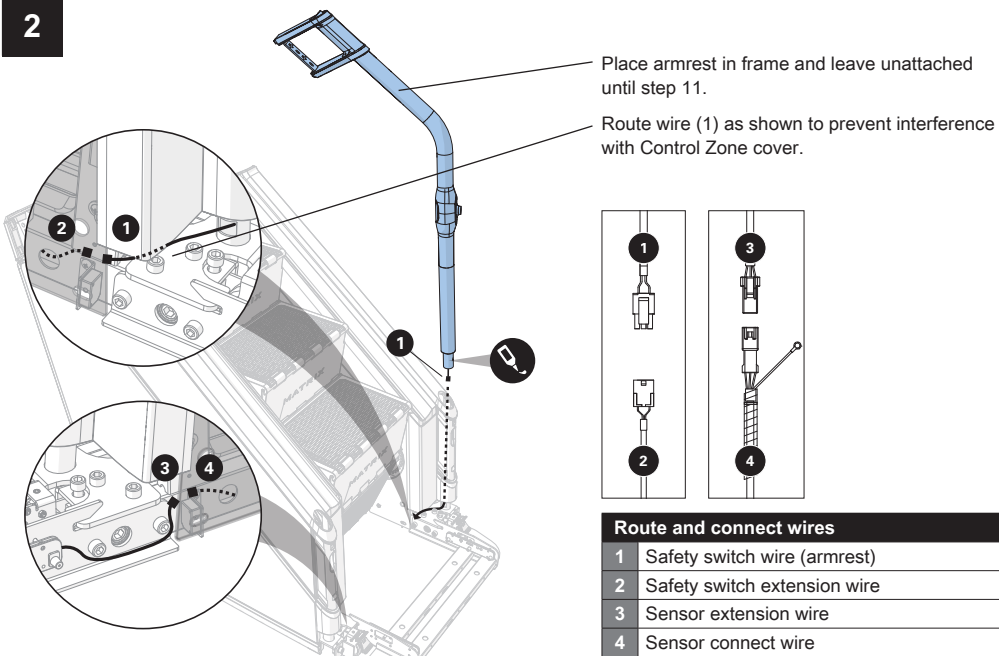
**Torque Value**  
80 Nm / 58 ft-lb



**3**

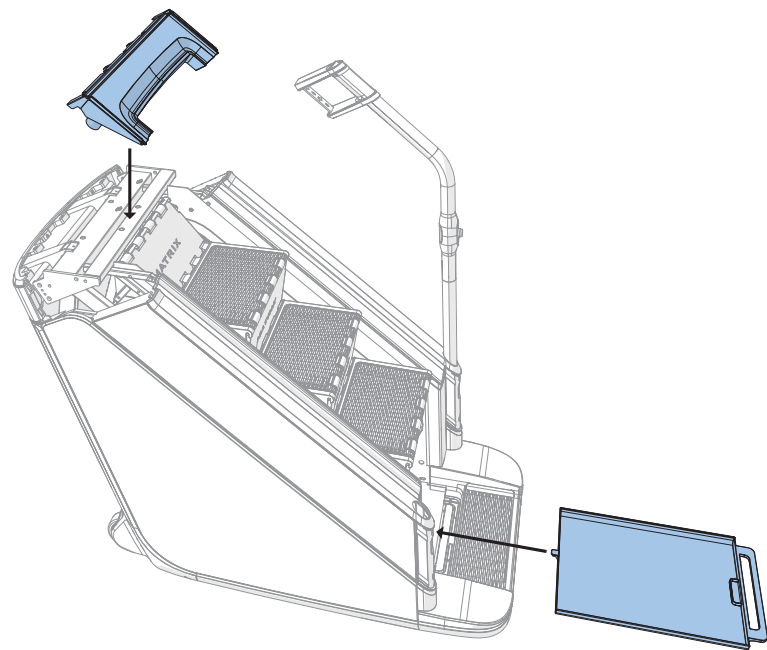


**2**



Route and connect wires	
1	Safety switch wire (armrest)
2	Safety switch extension wire
3	Sensor extension wire
4	Sensor connect wire

**4**

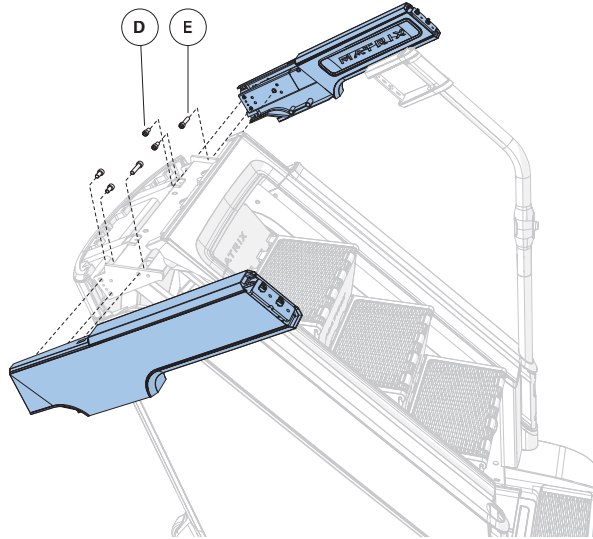
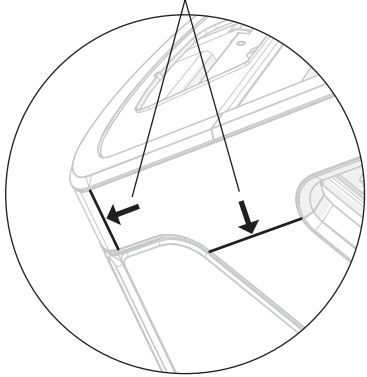


# ASSEMBLY

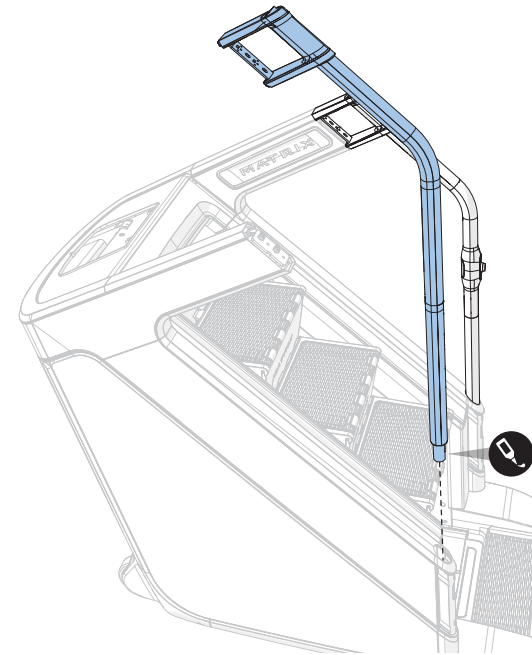
5	Hardware	Qty
D	Bolt (M10x20L)	4
E	Bolt (M10x45L)	2

**Torque Value**  
80 Nm / 58 ft-lb

Ensure there are no gaps between parts



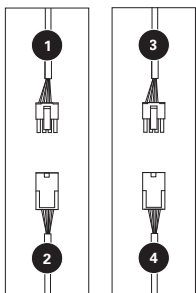
## 7



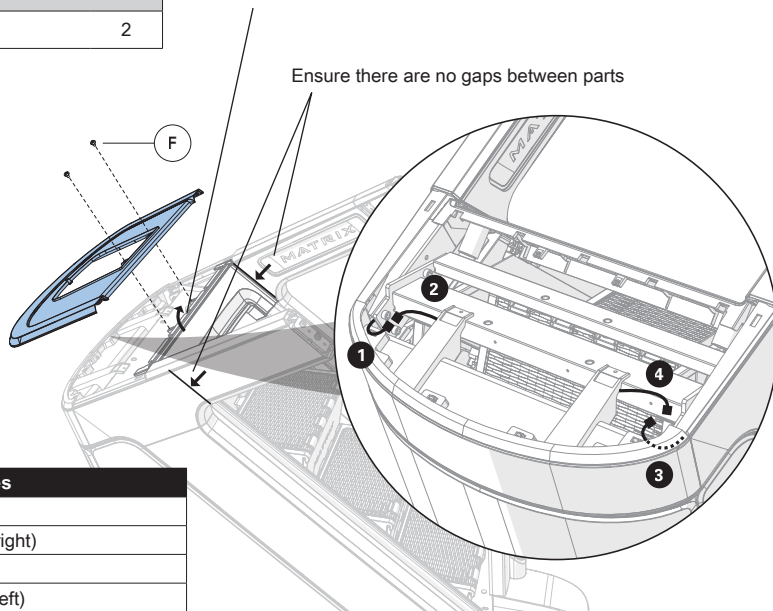
6	Hardware	Qty
F	Screw (M5x12L)	2

Rotate stair guard to ensure proper fit

Ensure there are no gaps between parts

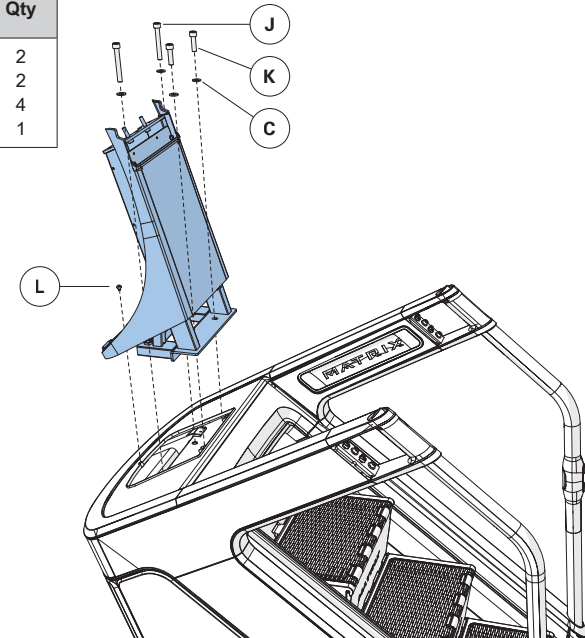


Route and connect wires	
1	LED wire
2	LED extension wire (right)
3	LED wire
4	LED extension wire (left)



8	Hardware	Qty
J	Bolt (M10x75L)	2
K	Bolt (M10x35L)	2
C	Flat Washer (M10)	4
L	Screw (M5x8L)	1

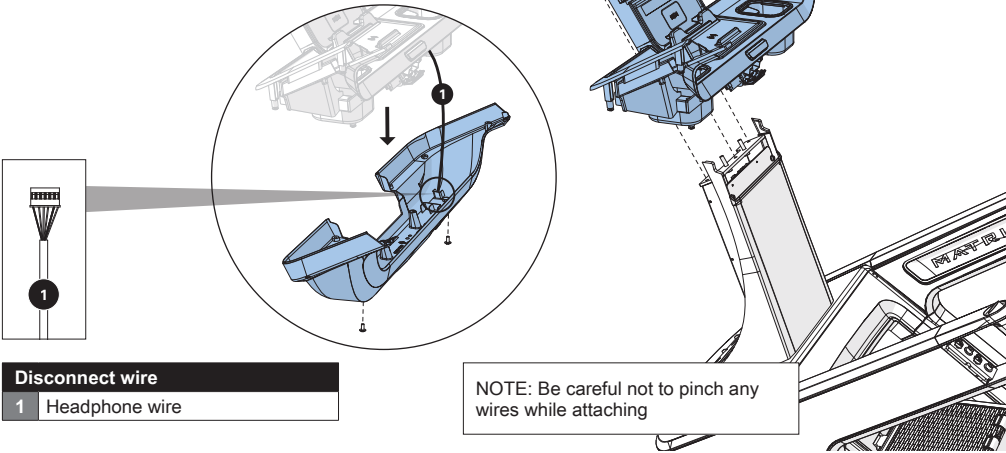
**Torque Value**  
80 Nm / 58 ft-lb



# ASSEMBLY

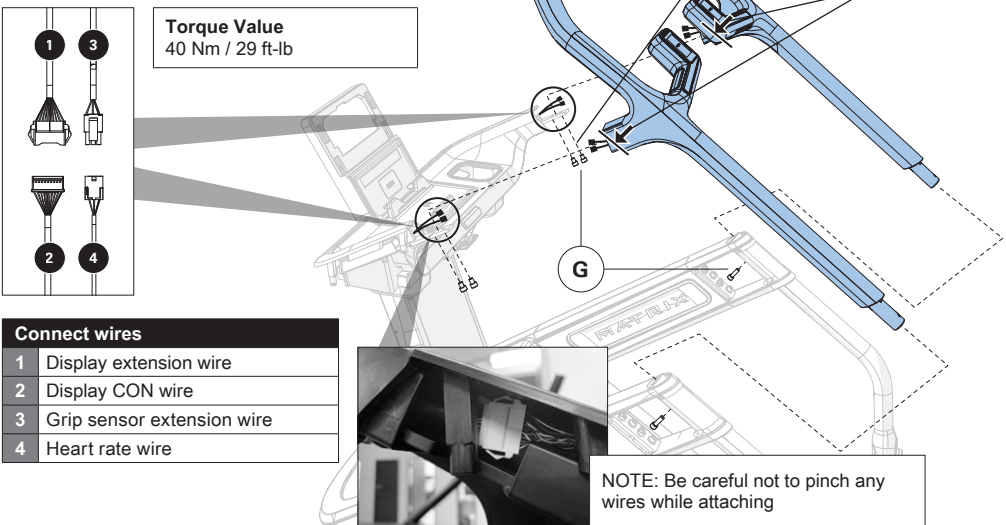
9	Hardware	Qty
G	Bolt (M8x15L)	3
H	Flat Washer (M8)	3

Do not tighten bolts until step 11 is complete.



**Disconnect wire**  
1 Headphone wire

10	Hardware	Qty
G	Bolt (M8x15L)	6



**Connect wires**  
1 Display extension wire  
2 Display CON wire  
3 Grip sensor extension wire  
4 Heart rate wire

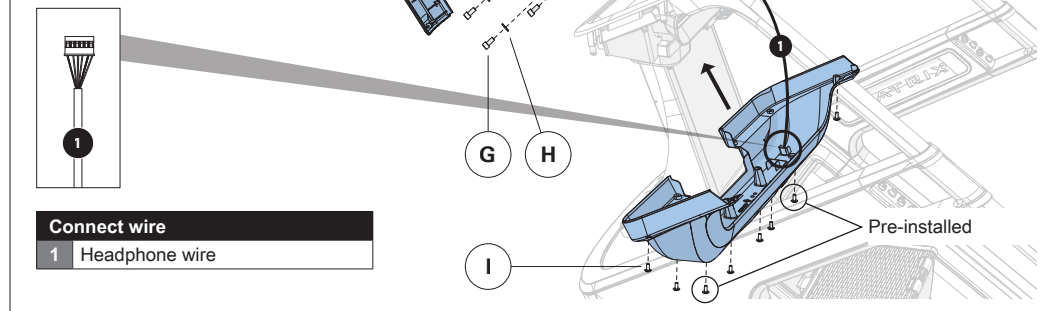
11	Hardware	Qty
G	Bolt (M8x15L)	6
H	Flat Washer (M8)	4
I	Arc Washer (M8)	2

Fully tighten bolts from step 9.

**Torque Value**  
40 Nm / 29 ft-lb

12	Hardware	Qty
G	Bolt (M8x15L)	4
H	Flat Washer (M8)	4
I	Screw (M5x12L)	6

**Torque Value**  
G - 25 Nm / 18 ft-lb

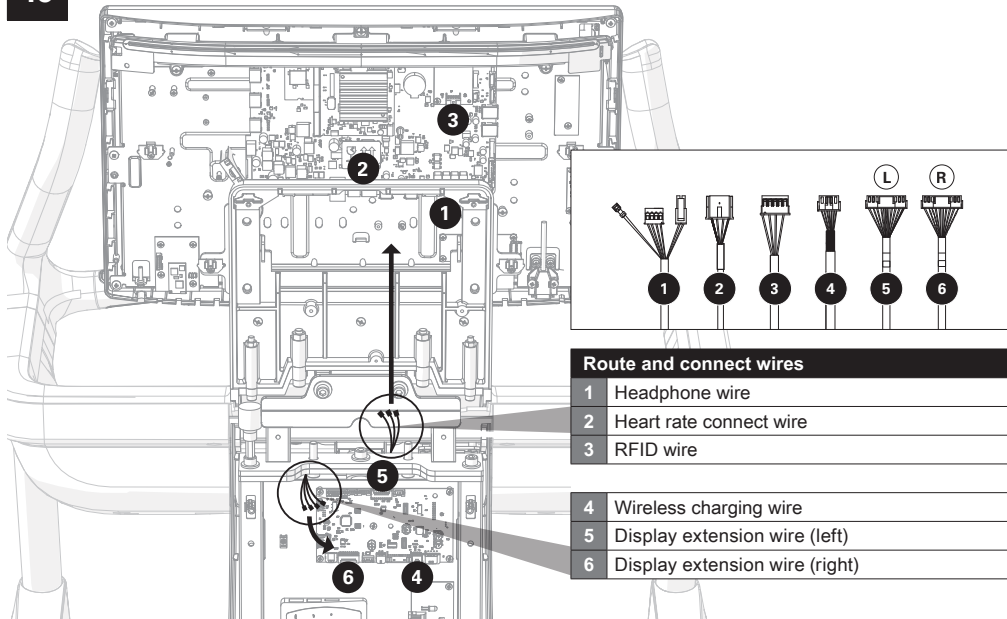


**Connect wire**  
1 Headphone wire



# ASSEMBLY

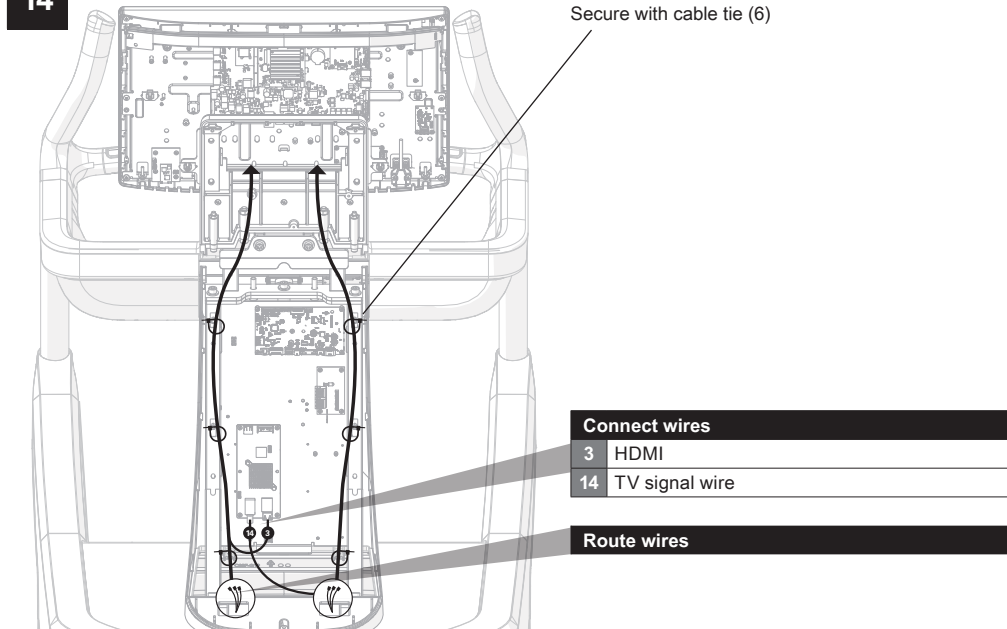
13



**Route and connect wires**

- 1 Headphone wire
- 2 Heart rate connect wire
- 3 RFID wire
- 4 Wireless charging wire
- 5 Display extension wire (left)
- 6 Display extension wire (right)

14



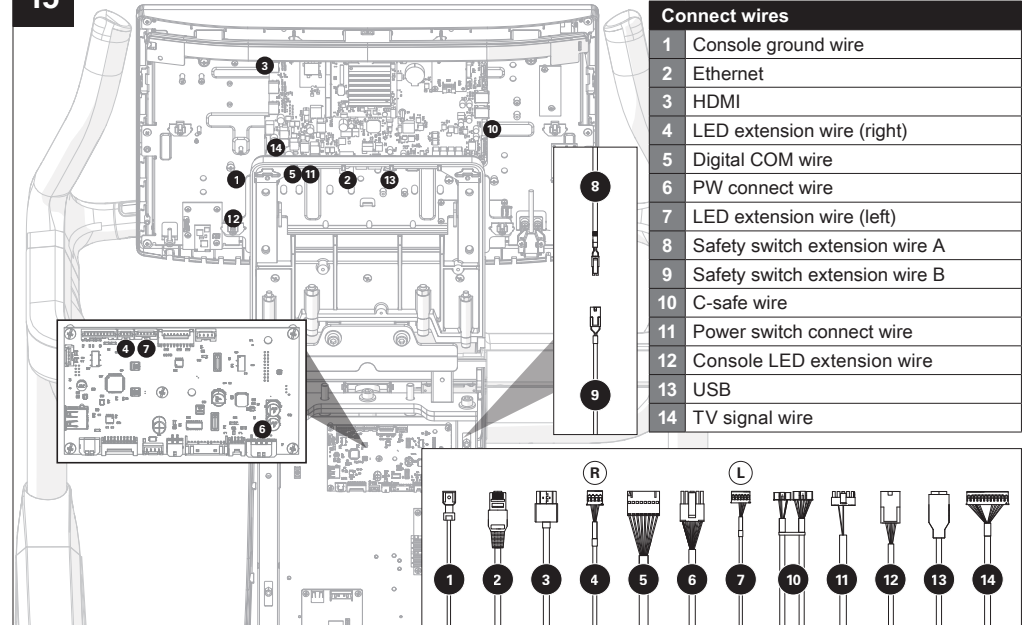
Secure with cable tie (6)

**Connect wires**

- 3 HDMI
- 14 TV signal wire

**Route wires**

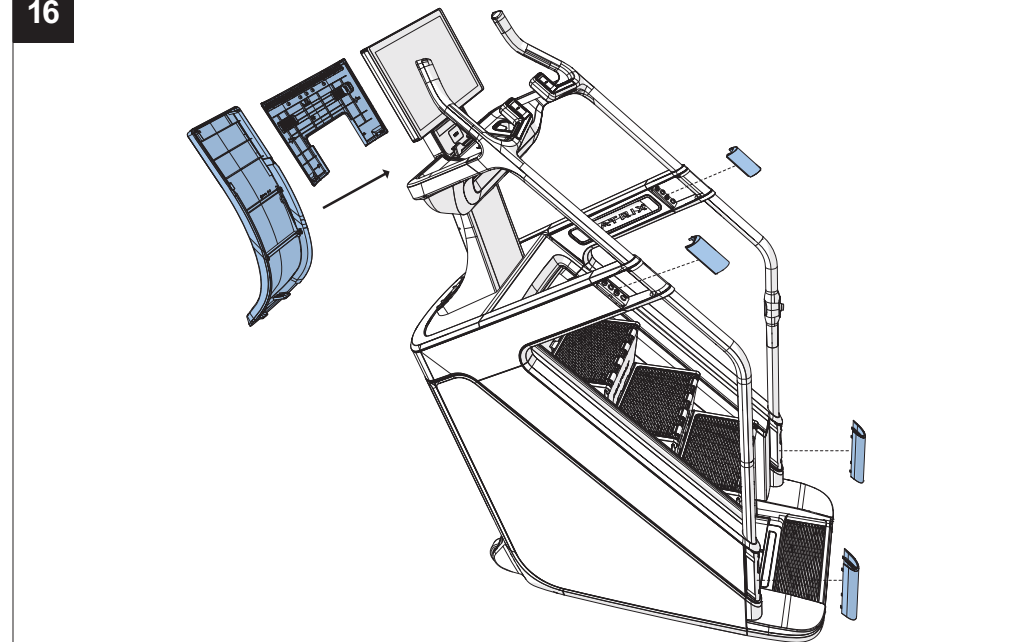
15



**Connect wires**

- 1 Console ground wire
- 2 Ethernet
- 3 HDMI
- 4 LED extension wire (right)
- 5 Digital COM wire
- 6 PW connect wire
- 7 LED extension wire (left)
- 8 Safety switch extension wire A
- 9 Safety switch extension wire B
- 10 C-safe wire
- 11 Power switch connect wire
- 12 Console LED extension wire
- 13 USB
- 14 TV signal wire

16





# ASSEMBLY

17

## LOCATION OF THE UNIT

Place the unit on a level and stable surface away from direct sunlight. The intense UV light can cause discoloration on the plastics. Locate your unit in an area with cool temperatures and low humidity. Please leave a clear zone behind the unit that is at least 24" (610 mm). This zone must be clear of any obstruction and provide the user a clear exit path from the machine. Do not place the unit in any area that will block any vent or air openings. The unit should not be located in a garage, covered patio, near water or outdoors.

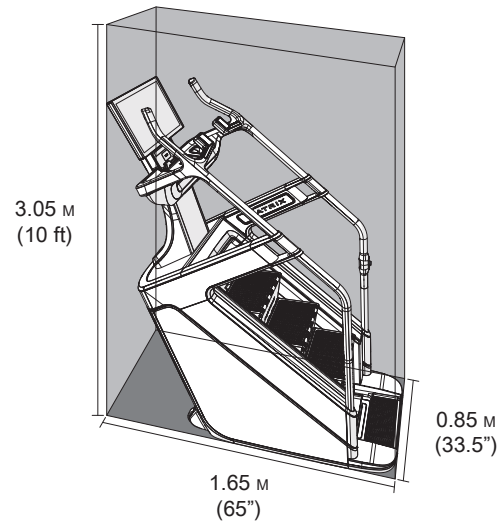
## HEIGHT REQUIREMENTS

The ClimbMill adds 30 - 38" (76 - 96.5cm) to a users height. For example, a 6' (183cm) tall user will be 8'6" - 9' 2" (259.5 - 279.5cm) off the floor.

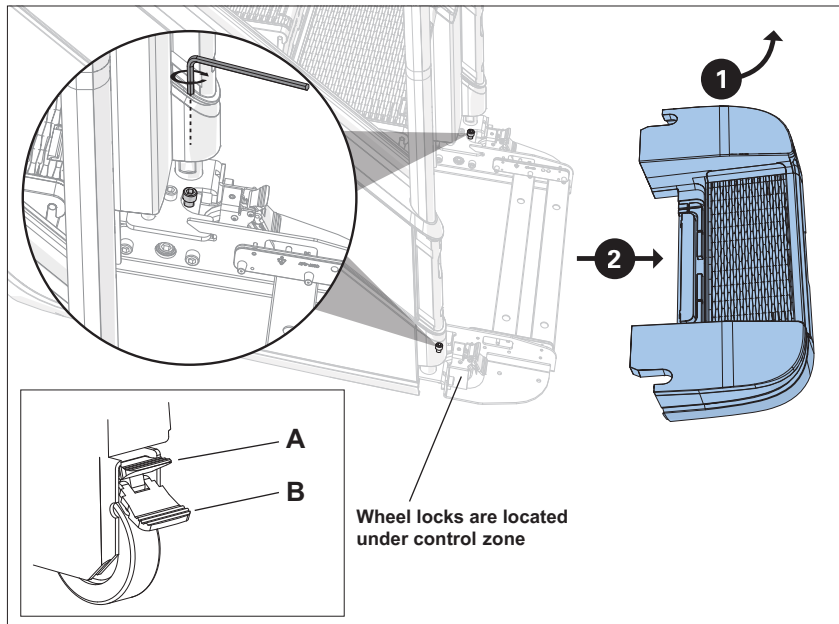
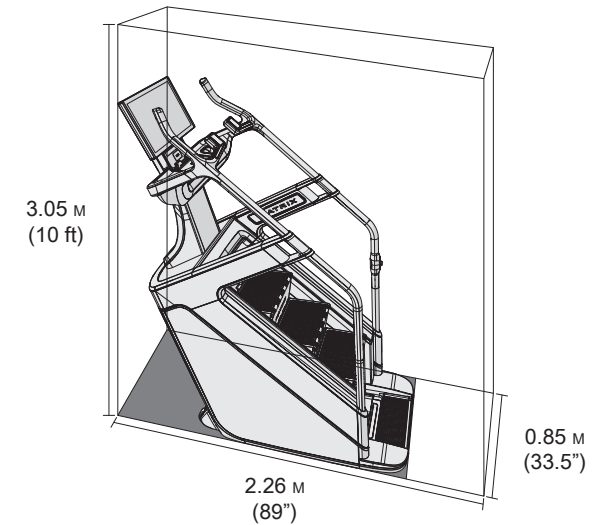
## WARNING!

Our equipment is heavy, use care and additional help if necessary when moving. Failure to follow these instructions could result in injury.

## TRAINING AREA



## FREE AREA



## MOVING THE EQUIPMENT

The 2 wheel locks must be released before moving. To unlock wheels, push down on the top lever (A) of the wheel locks. After moving to the desired location, push down on the bottom lever (B) of the wheel locks to lock the wheels.

NOTE: Both wheel locks must be locked before using the equipment.

## LEVELING THE EQUIPMENT

Locate a level, stable surface to position the equipment. The equipment has levelers located below the bottom step. To access the levelers, remove the CONTROL ZONE.

CAUTION: There is an electrical plug located under the CONTROL ZONE and will need to be unplugged before the cover can be completely removed. Use an Allen wrench to level the unit. Once stable, replace parts as they were removed.

A carpenter's level is recommended.

NOTE: There are only two levelers on the equipment.

**ASSEMBLY COMPLETE**



# BEFORE YOU BEGIN

## PROPER USAGE

### MOUNTING THE CLIMBMILL

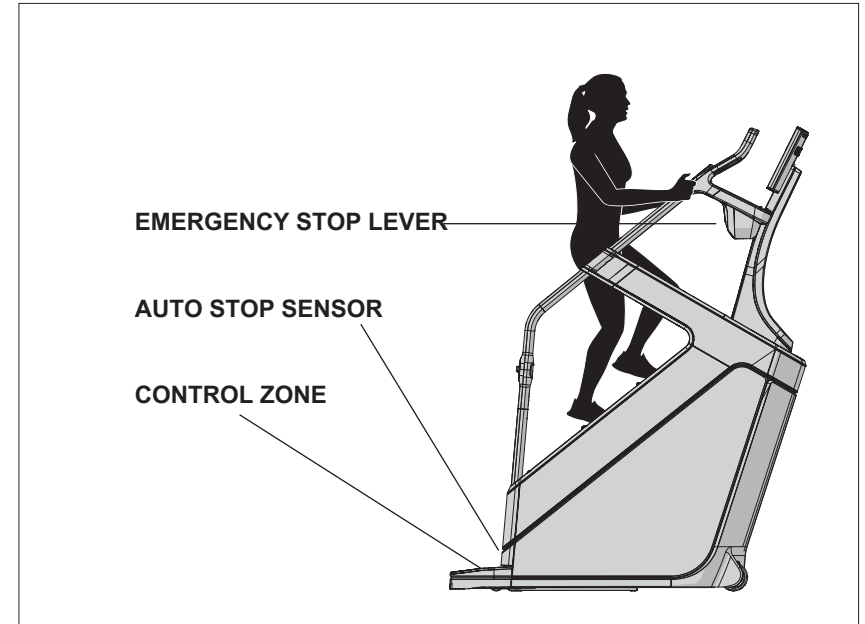
1. Stand directly behind the ClimbMill. Grasp either the upper or lower handle bars and step onto the ClimbMill until you are within comfortable reach of the console, emergency stop lever, and remote handlebar controls.
2. There are two emergency stop buttons the ClimbMill. An emergency stop lever is located on the console mast below the display, and an emergency stop button is located on the lower right side handlebar.
3. The CONTROL ZONE will bring the step surfaces to a complete stop upon detecting an object. The AUTO STOP SENSOR will bring the step surfaces to a complete stop upon detecting an object under the bottom step.
4. To determine proper workout position, stand on the steps within comfortable reach of the console. Maintain a constant distance from the console and remote handlebar controls. Keep your knees slightly bent at all times.

## USING THE HEART RATE FUNCTION

The heart rate function on this product is not a medical device. While heart rate grips can provide a relative estimation of your actual heart rate, they should not be relied on when accurate readings are necessary. Some people, including those in a cardiac rehab program, may benefit from using an alternate heart rate monitoring system like a chest or wrist strap. Various factors, including movement of the user, may affect the accuracy of your heart rate reading. The heart rate reading is intended only as an exercise aid in determining heart rate trends in general. Please consult your physician.

## WARNING!

Heart rate monitoring systems may be inaccurate. Over exercising may result in serious injury or death. If you feel faint, stop exercising immediately.



### CLIMBMILL SPM (STEPS PER MINUTE)

LEVEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
SPM	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	143	148	153	158	162

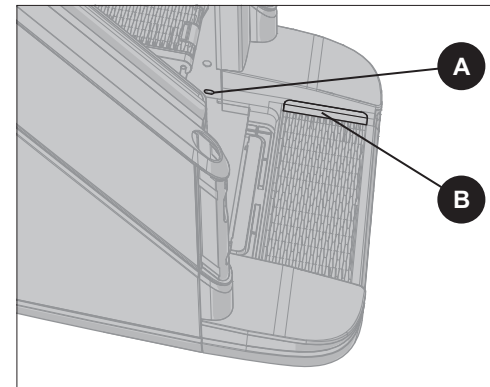


## MAINTENANCE

1. Any and all part removal or replacement must be performed by a qualified service technician.
2. DO NOT use any equipment that is damaged and or has worn or broken parts. Use only replacement parts supplied by your country's local MATRIX dealer.
3. MAINTAIN LABELS AND NAMEPLATES: Do not remove labels for any reason. They contain important information. If unreadable or missing, contact your MATRIX dealer for a replacement.
4. MAINTAIN ALL EQUIPMENT: Preventative maintenance is the key to smooth operating equipment as well as keeping your liability to a minimum. Equipment safety levels can only be maintained if inspections for damage and wear occur at regular intervals.
5. Ensure that any person(s) making adjustments or performing maintenance or repair of any kind is qualified to do so. MATRIX dealers will provide service and maintenance training at our corporate facility upon request.

### WARNING



Disconnect all power before servicing or moving the equipment. To remove power from the ClimbMill, the power cord must be disconnected from the wall outlet. To clean, wipe surfaces down with soap and slightly damp cloth only; never use solvents.



- A) Clean Auto Stop Sensors (2) monthly
- B) Clean Control Zone IR sensors (2) monthly



# MAINTENANCE

MAINTENANCE SCHEDULE	
ACTION	FREQUENCY
Unplug the unit. Clean entire frame and shrouds using water and a mild soap or other Matrix approved solution (cleaning agents should be alcohol and ammonia free).	DAILY
ENDURANCE: Unplug the ClimbMill and remove the access panel. Clean chain of old grease and re-apply a lithium-based grease to each chain link.	MONTHLY
Check step motion and stability to ensure the ClimbMill does not rock or wobble.	QUARTERLY
Check all connecting joint areas for tightness of bolt assemblies.	QUARTERLY
Ensure that there is little, or no free play at all joint assemblies once bolts have been tightened. Installation of washer kits may be required if free play does not come out from tightening bolts.	QUARTERLY
Unplug the ClimbMill and remove the access panel. Clean sprockets of old grease and re-apply a lithium-based grease to sprocket teeth.	QUARTERLY
Unplug the ClimbMill and clean the AUTO STOP SENSORS (located under the bottom step) and IR sensor windows on Control Zone with a cotton swab, water and a mild soap or other Matrix approved solution (cleaning agents should be alcohol and ammonia free).	QUARTERLY
<p>Unplug the ClimbMill and remove the access panel. While rotating stairs by hand, check the TWO poly-V drive belts. Belts must be without signs of wear and must be centered on pulleys. <b>WARNING: Bodily injury may occur if either poly-V belt breaks. If the wear looks similar to this picture, contact Matrix Customer Tech Support.</b></p> 	<p>QUARTERLY</p> 

PRODUCT SPECIFICATIONS	
Max User Weight	182 kg / 400 lbs
Product Weight	224.8 kg / 495.6 lbs
Shipping Weight	243.1 kg / 536 lbs
Overall Dimensions (L x W x H)*	165 x 83 x 213 cm / 64.5 x 32.7 x 83.8"

\* Ensure a minimum clearance width of 0.6 meters (24") for access to and passage around MATRIX equipment. Please note, 0.91 meters (36") is the ADA recommended clearance width for individuals in wheelchairs.

ONYX  
by MATRIX

