



## MATRIX U-PS-LED Performance Cycles with LED Console Instruction Manual

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## 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 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 the 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 the power, then unplug from the 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 the 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, carports, 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 the 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.
- Do not attempt to ride the exercise cycle in a standing position.



## **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, carports, 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.

Units with LED and Premium LED consoles are designed to be self-powered and do not require an external power supply source to operate. Without an external power supply, the console's start-up time may be delayed. Add-on TVs and other console accessories require an external power supply. An external power supply will ensure power is provided to the console at all times and is required when add-on accessories are used.

For units with an integrated TV (Touch), 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 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 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 break down, 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.'

### **ADD-ON DIGITAL TV (LED, PREMIUM LED)**

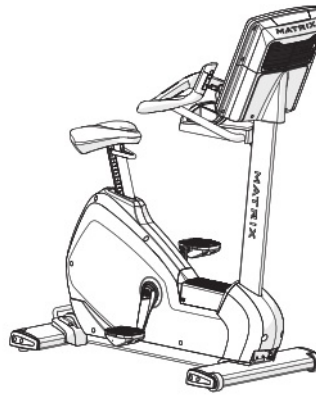
Add-on digital TVs require additional power and must use an external power supply. An RG6 coaxial cable with 'F Type' compression fittings will need to be connected between the video source and each add-on digital TV unit.



## **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 the box when it is on its side.

**IMPORTANT NOTES**

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. Contact information is located on the information card.

**UPRIGHT CYCLE ASSEMBLY****TOOLS REQUIRED:**

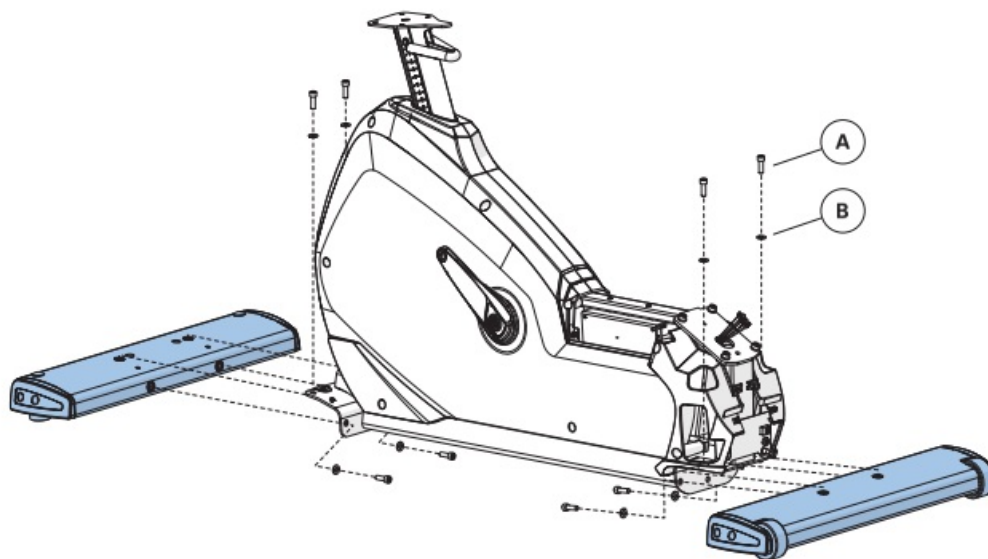
- 4 mm Allen Wrench
- 6 mm Allen Wrench
- 8 mm Allen Wrench
- Flat Wrench (15mm/17mm 325L)
- Phillips Screwdriver

**PARTS INCLUDED:**

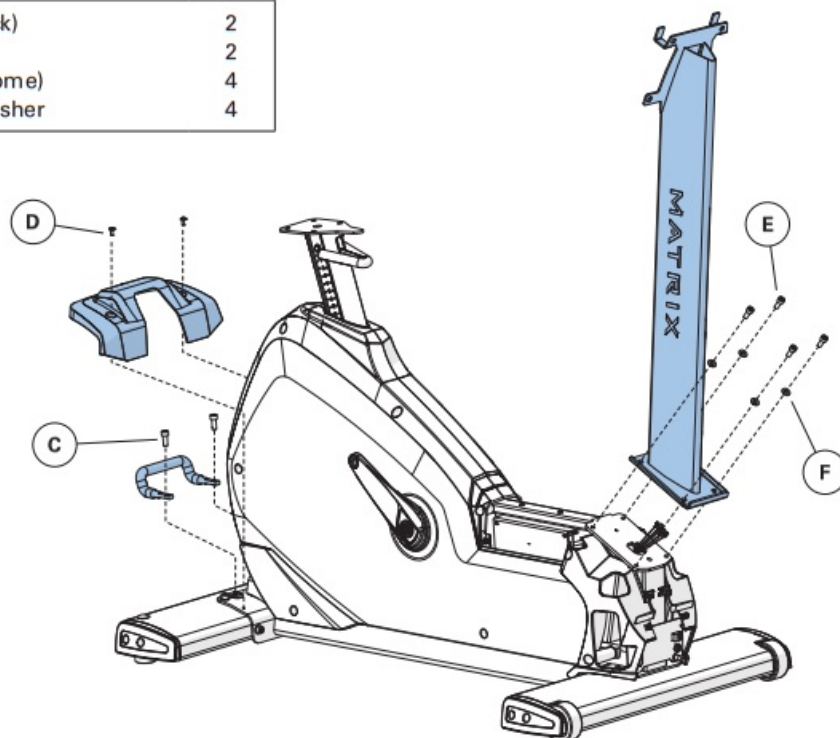
- 1 Main Frame
- 1 Rear Stabilizer Tube
- 1 Front Stabilizer Tube
- 1 Rear Frame Handle
- 1 Rear Frame Cover
- 1 Console Mast
- 1 Console Mast Cover
- 1 Seat
- 1 Front Shroud Cover
- 1 Pulse Grip Handlebars
- 1 Step Plate
- 1 Accessory Tray
- 2 Water Bottle Pockets
- 2 Pedals
- 1 Hardware Kit
- 1 Power Cord

Console sold separately

1	Hardware	Qty
A	Bolt	8
B	Flat Washer	8



2	Hardware	Qty
C	Bolt (black)	2
D	Screw	2
E	Bolt (chrome)	4
F	Tooth Washer	4

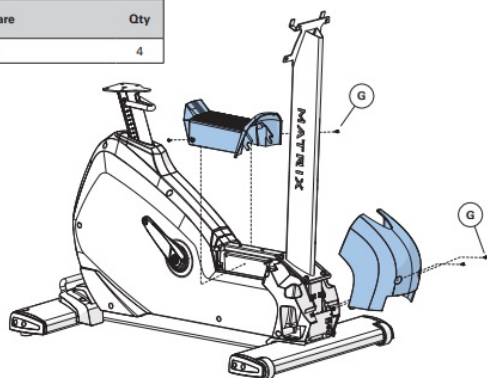




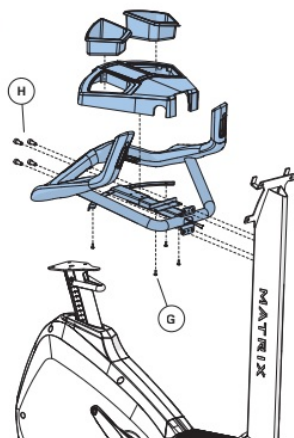


## ASSEMBLY

3	Hardware	Qty
G	Screw	4

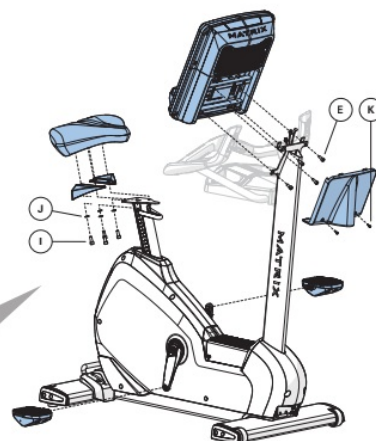
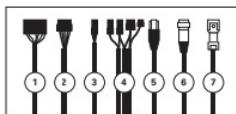


4	Hardware	Qty
G	Screw	4
H	Bolt	4

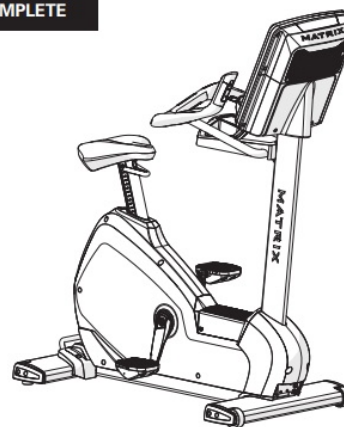


5	Hardware	Qty
I	Bolt	4
J	Spring Washer	4
E	Bolt (chrome)	4
K	Screw	2

- 1 LCB Communication
- 2 Extension Power Wire
- 3 TV Power
- 4 Console Connect Wires
- 5 Ethernet
- 6 Coax
- 7 Ground Wire



## ASSEMBLY COMPLETE



## TOOLS REQUIRED:

- 4 mm Allen Wrench
- 6 mm Allen Wrench
- Flat Wrench (15mm/17mm 325L)
- Phillips Screwdriver

## PARTS INCLUDED:

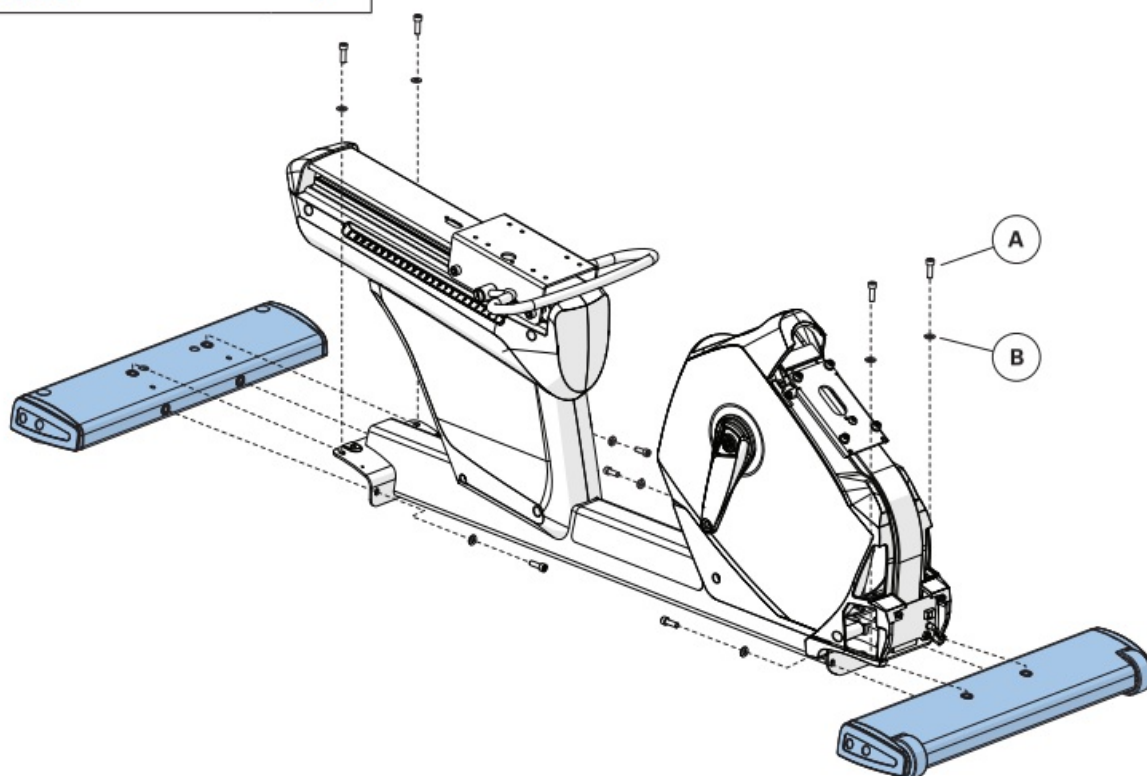
- 1 Main Frame
- 1 Rear Stabilizer Tube
- 1 Front Stabilizer Tube
- 1 Rear Frame Handle
- 1 Rear Frame Cover
- 1 Console Mast
- 1 Console Mast Cover
- 1 Console Handlebars
- 1 Front Shroud Cover
- 1 Seat Frame
- 2 Water Bottle Pockets
- 1 Seat Base
- 1 Seat Back
- 2 Pedals



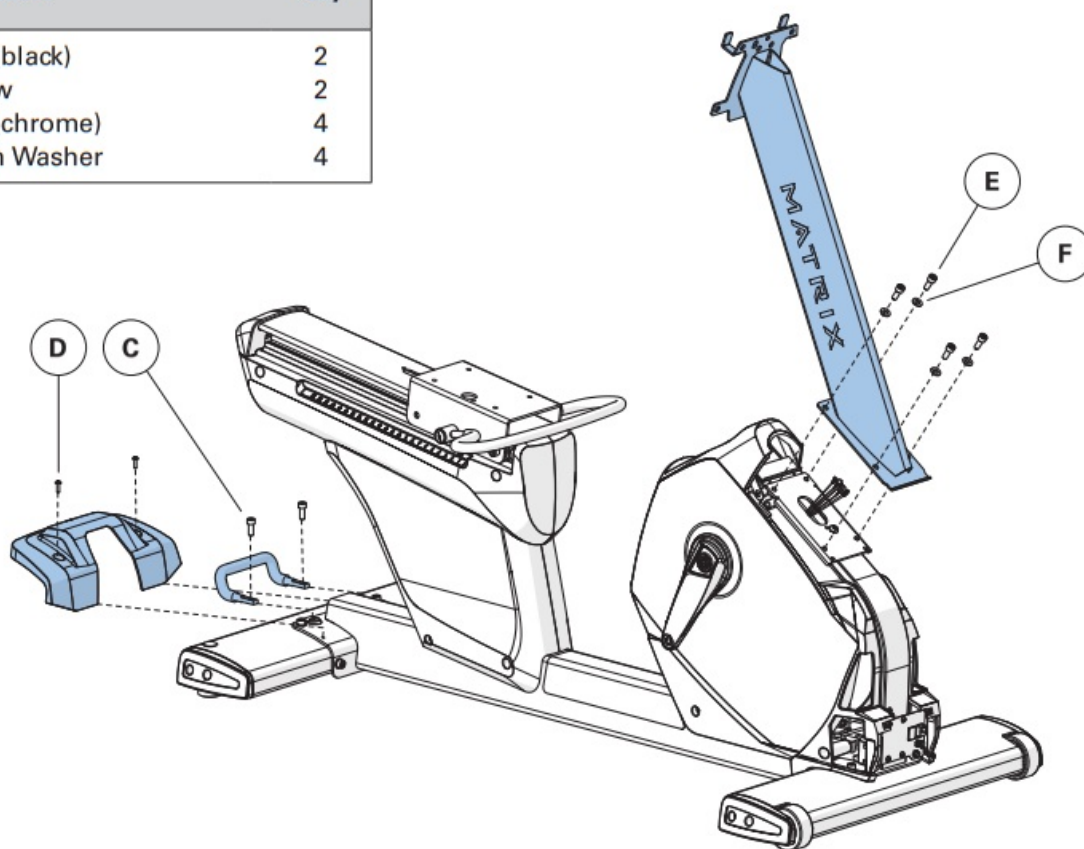
- 1 Hardware Kit
- 1 Power Cord

Console sold separately

1	Hardware	Qty
A	Bolt	8
B	Flat Washer	8

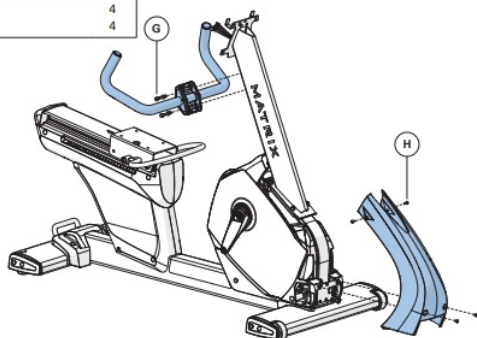


2	Hardware	Qty
C	Bolt (black)	2
D	Screw	2
E	Bolt (chrome)	4
F	Tooth Washer	4

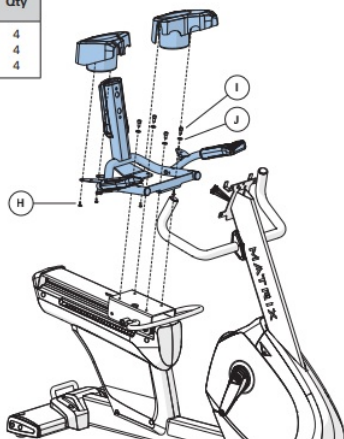


## ASSEMBLY

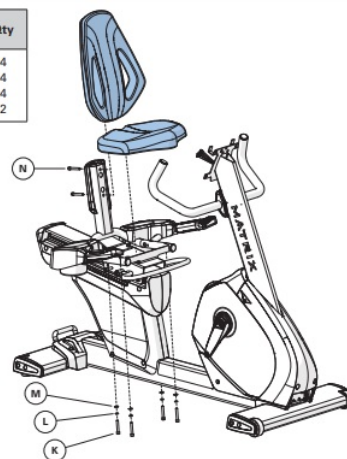
3	Hardware	Qty
G	Bolt	4
H	Screw	4



4	Hardware	Qty
H	Screw	4
I	Bolt	4
J	Spring Washer	4

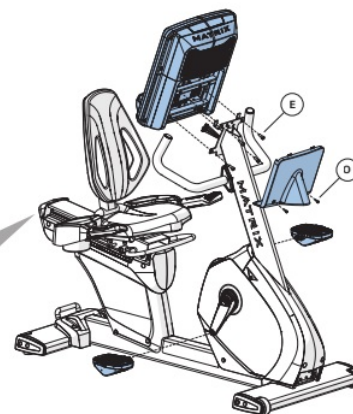
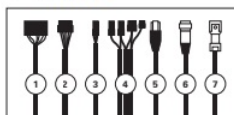


5	Hardware	Qty
K	Bolt	4
L	Spring Washer	4
M	Wavy Washer	4
N	Bolt	2



6	Hardware	Qty
E	Bolt (chrome)	4
O	Bolt	2

- 1 LCB Communication
- 2 Extension Power Wire
- 3 TV Power
- 4 Console Connect Wires
- 5 Ethernet
- 6 Coax
- 7 Ground Wire



ASSEMBLY COMPLETE

## HYBRID CYCLE ASSEMBLY

### TOOLS REQUIRED:

- 4 mm Allen Wrench
- 6 mm Allen Wrench
- 8 mm Allen Wrench
- Flat Wrench (15mm/17mm 325L)
- Phillips Screwdriver

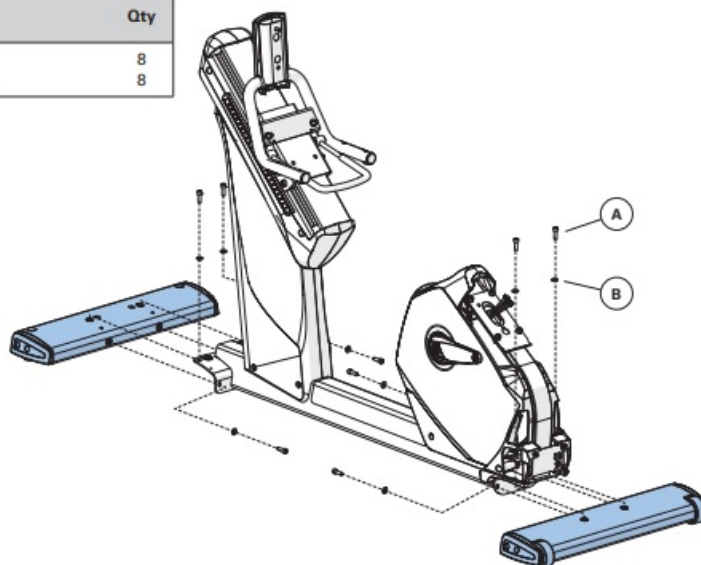
### PARTS INCLUDED:

- 1 Main Frame
- 1 Rear Stabilizer Tube
- 1 Front Stabilizer Tube
- 1 Rear Frame Handle
- 1 Rear Frame Cover
- 1 Console Mast
- 1 Console Mast Cover
- 1 Seat Back
- 1 Seat Base
- 1 Arm Rest Handlebars
- 1 Front Shroud Cover

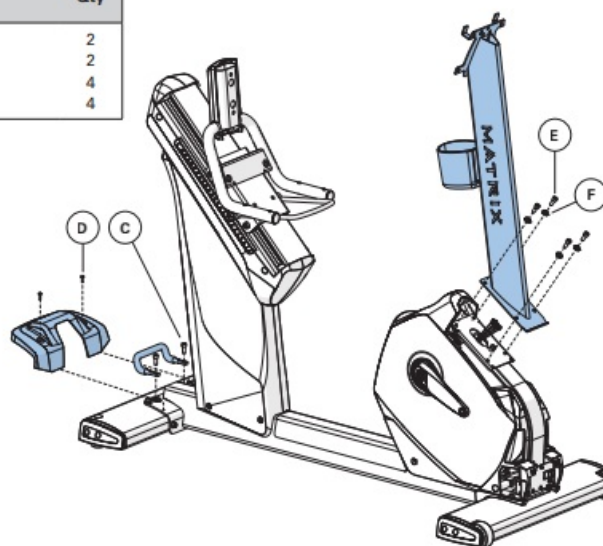
- 1 Pulse Grip Handlebars
- 2 Pedals
- 1 Hardware Kit
- 1 Power Cord

Console sold separately

1	Hardware	Qty
A	Bolt	8
B	Flat Washer	8



2	Hardware	Qty
C	Bolt (black)	2
D	Screw	2
E	Bolt (chrome)	4
F	Tooth Washer	4

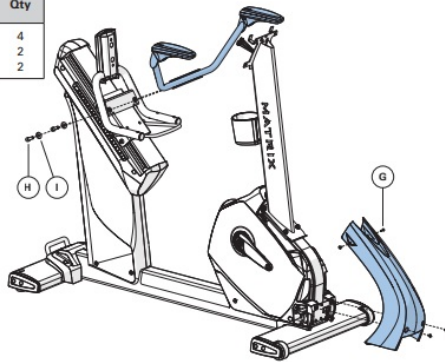




## ASSEMBLY

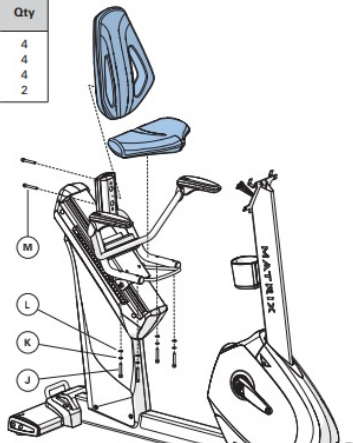
**3**

Hardware	Qty
G Screw	4
H Bolt	2
I Heavy Washer	2



**4**

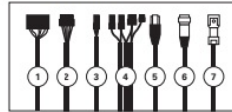
Hardware	Qty
J Bolt	4
K Spring Washer	4
L Wavy Washer	4
M Bolt	2



**5**

Hardware	Qty
N Bolt	4
E Bolt (chrome)	4
O Screw	2

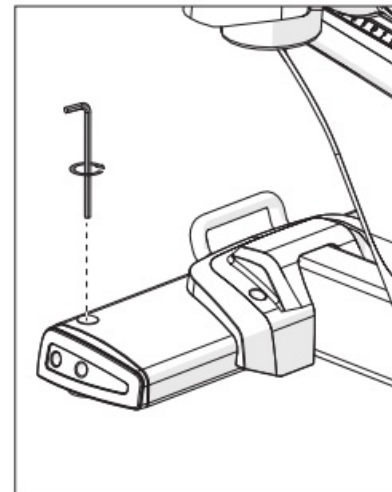
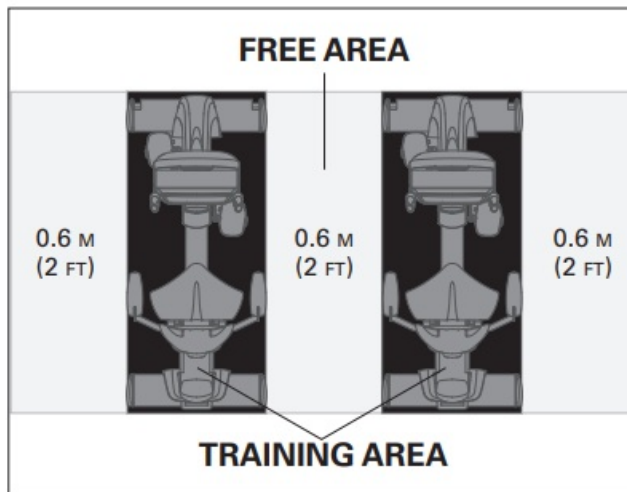
- 1 LCB Communication
- 2 Extension Power Wire
- 3 TV Power
- 4 Console Connect Wires
- 5 Ethernet
- 6 Coax
- 7 Ground Wire



## ASSEMBLY COMPLETE



## BEFORE YOU BEGIN



## LOCATION OF THE UNIT

Place the equipment on a level and stable surface away from direct sunlight. The intense UV light can cause discoloration on the plastics. Locate the equipment in an area with cool temperatures and low humidity. Please leave a free area behind the equipment that is at least 0.6 meters (24 inches). This area must be clear of any obstruction and provide the user with a clear exit path from the equipment. Do not place the equipment in any area that will block any vent or air openings. The equipment should not be located in a garage, covered patio, near water, or outdoors.

## LEVELING THE EQUIPMENT

The equipment should be level for optimum use. Once you have placed the equipment where you intend to use it, raise or lower one or both of the adjustable levelers located on the bottom of the frame. A carpenter's level is

recommended.

**NOTE:** There are four levelers on the equipment.

**WARNING!**

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

**POWER**

If the equipment is powered by a power supply, the power must be plugged into the power jack, which is located in the front of the equipment near the stabilizer tube. Some equipment has a power switch, located next to the power jack. Make sure it is in the ON position. Unplug the cord when not in use.

**WARNING!**

Never operate the equipment if it has a damaged cord or plug if it is not working properly, if it has been damaged, or immersed in water. Contact Customer Tech Support for examination and repair.

**HYBRID SEAT HEIGHT**

To adjust the seat height on the Hybrid Cycle, pull the orange lever under the seat and lower the seat to the lowest position. Stand on either side of the seat, grab the orange lever, lift the seat until the seat base is level with your hip bone, release the lever and allow the seat to lock into place.

**RECUMBENT SEAT HEIGHT**

To adjust the seat height on the Recumbent Cycle, locate the orange lever under the seat before you mount the Cycle. Place your right hand on the orange adjustment handle under the seat. Place feet on the ground while seated and slide forward if needed. Place feet on pedals, gently lift the lever under the seat. Using legs, slowly push and slide the seat up or down to the desired position. Release the lever and allow the seat to lock into place.

**UPRIGHT SEAT HEIGHT**

To raise the seat height on the Upright Cycle, pull the seat upward. To lower the seat, locate the orange adjustment lever under the seat and pull the lever up to slide the seat down. Release the lever and allow the seat to lock into place. The seat height adjusts from level 1 to 23. Do not raise the seat past level 23.

**BRAKE SYSTEM**

This equipment utilizes magnetic resistance to set specific levels of resistance. The resistance level setting in addition to the RPM is used to determine the power (watts) output.

**PROPER USAGE**

To determine proper seat position, sit on the seat and position the ball of your foot on the center of the pedal. Your knee should bend slightly at the furthest pedal position. You should be able to pedal without locking your knees or shifting your weight from side to side. Adjust pedal straps to desired tightness.



		
<p><b>USING THE HEART RATE FUNCTION</b></p> <p>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 the 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.</p>	<p><b>PULSE GRIPS</b></p> <p>Place the palm of your hands directly on the grip pulse handlebars. Both hands must grip the bars for your heart rate to register. It takes 5 consecutive heartbeats (15-20 seconds) for your heart rate to register. When gripping the pulse handlebars, do not grip tightly. Holding the grips tightly may elevate your blood pressure. Keep a loose, cupping hold. You may experience an erratic readout if consistently holding the grip pulse handlebars. Make sure to clean the pulse sensors to ensure proper contact can be maintained.</p>	<p><b>WARNING!</b></p> <p>Heart rate monitoring systems may be inaccurate. Over-exercising may result in serious injury or death. If you feel faint, stop exercising immediately.</p>

## 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 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 needs to be inspected 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

To remove power from the unit, the power cord must be disconnected from the wall outlet.



MAINTENANCE SCHEDULE	
ACTION	FREQUENCY
Unplug the unit. Clean the entire machine using water and a mild soap or other Matrix-approved solution (cleaning agents should be alcohol and ammonia-free).	DAILY
Inspect the power cord. If the power cord is damaged, contact Customer Tech Support.	DAILY
Make sure the power cord is not underneath the unit or in any other area where it can become pinched or cut during storage or use.	DAILY
Clean underneath the cycle, following these steps: <ul style="list-style-type: none"> <li>• Turn off the cycle.</li> <li>• Move the cycle to a remote location</li> <li>• Wipe or vacuum any dust particles or other objects that may have accumulated underneath the cycle</li> <li>• Return the cycle to its previous position.</li> </ul>	WEEKLY
Inspect all assembly bolts and pedals on the machine for proper tightness.	MONTHLY
Clean any debris off of the seat guide rail.	MONTHLY

## PRODUCT SPECIFICATIONS

	UPRIGHT			RECUMBENT			HYBRID		
CONSOLE	TOUCH	PREMIUM LED	LED / GROUP TRAINING LED	TOUCH	PREMIUM LED	LED / GROUP TRAINING LED	TOUCH	PREMIUM LED	LED / GROUP TRAINING LED
Max User Weight	182 kg /400 lbs			182 kg /400 lbs			182 kg /400 lbs		
Product Weight	84.6 kg / 186.5 lbs	82.8 kg / 182.5 lbs	82.1 kg / 181 lbs	94.4 kg / 208.1 lbs	92.6 kg / 204.1 lbs	91.9 kg / 202.6 lbs	96.3 kg / 212.3 lbs	94.5 kg / 208.3 lbs	93.8 kg / 206.8 lbs
Shipping Weight	94.5 kg / 208.3 lbs	92.7 kg / 204.4 lbs	92 kg / 202.8 lbs	106.5 kg / 234.8 lbs	104.7 kg / 30.8 lbs	104 kg / 229.3 lbs	108.6 kg / 239.4 lbs	106.8 kg / 235.5 lbs	106.1 kg / 233.9 lbs
Overall Dimensions (L x W x H)*	136 x 65 x 155 cm / 53.5" x 25.6" x 61.0"			150 x 65 x 143 cm / 59.1" x 25.6" x 56.3"			147 x 65 x 159 cm / 57.9" x 25.6" x 62.6"		

\* 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.



## Documents / Resources

	<a href="#">MATRIX U-PS-LED Performance Cycles with LED Console</a> [pdf] Instruction Manual U-PS-LED, Performance Cycles, LED Console, U-PS-LED Performance Cycles with LED Console
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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