



Cybex 750T Treadmill
Product Number 751T
Service Manual
Cardiovascular Systems
Part Number LT-20407-4 D



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Cybex 750T Treadmill Service Manual

About This Manual

An Owner's Manual is shipped with each unit. To purchase additional copies of this manual or any other Cybox manual, please do one of the following:

- fax your order to 508-533-5183
- contact Cybox Customer Service at 888-462-9239
- or contact Cybox Customer Service at 508-533-4300

To contact Cybox with comments about this manual you may send email to techhelp@cyboxintl.com.

FCC Compliance Information



WARNING: *Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception (which can be determined by turning the equipment off and on) the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

1 - Safety

IMPORTANT: Read all instructions and warnings before using the treadmill.

Important Voltage Information

Before plugging the power cord into an electrical outlet, verify that the voltage requirements for the site match the voltage of the treadmill that has been received. The power requirements for the Cybox 750T Treadmill include a grounded, dedicated circuit, rated for one of the following:

- 100 VAC, 50/60 Hz, 20A
- 115 VAC, 60 Hz, 20A
- 220 VAC, 60 Hz, 15A
- 230 VAC, 50 Hz, 15A
- 230 VAC, 50 Hz, 13A, UK

See the serial number decal for the exact voltage requirements of the treadmill.



WARNING: Do not attempt to use this unit with a voltage adapter. Do not attempt to use this unit with an extension cord.



WARNING: Do not plug more than one unit into a single circuit.

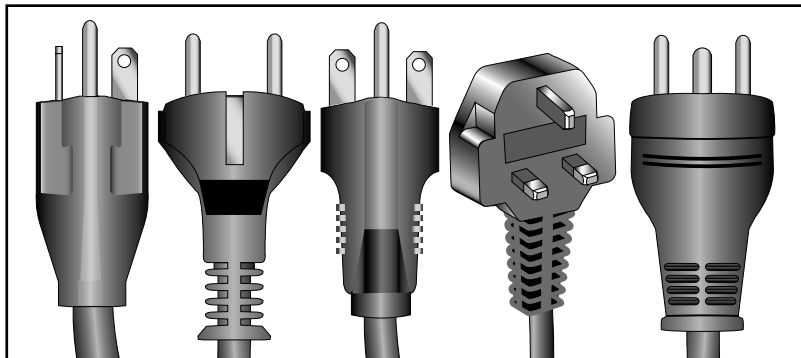
Grounding Instructions

This treadmill 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. This product 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.



DANGER: Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service provider if there is doubt as to whether the treadmill is properly grounded. Seek a qualified electrician to perform any modifications to the cord or plug. Cybox is not responsible for injuries or damages as a result of cord or plug modification.

This treadmill is for use on a grounded, dedicated circuit. Make sure that the treadmill is connected to an outlet having the same configuration as the plug. Do not use a ground plug adapter to adapt the power cord to a non-grounded outlet.



115 VAC
NEMA 5-20

Euro Plug
CEE 7/7

220 VAC
NEMA 6-15

UK
230 VAC

Danish
IEC320

Important Safety Instructions

(Save These Instructions)



DANGER: To reduce the risk of electric shock, always unplug this treadmill from the electrical outlet immediately after using it and before cleaning it.



WARNING: Serious injury could occur if these precautions are not observed. To reduce the risk of burns, fires, electric shock, or injury:

User Safety Precautions



- Obtain a medical exam before beginning any exercise program.

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

- Stop exercising if you feel faint, dizzy, or experience pain and consult your physician.
- Obtain instruction before using.
- Read and understand the Owner's Manual and all warnings posted on the unit before using.
- Read and understand emergency stop procedures.
- **DO NOT** wear loose or dangling clothing while using the treadmill.
- Keep all body parts, towels, water bottles and the like free and clear of moving parts.
- Place your feet on the two top steps when starting or stopping the treadmill.
- Use the treadmill handrails for support and to maintain balance.
- Keep children away from the treadmill. Teenagers and disabled persons must be supervised while using.
- **DO NOT** use the unit if you exceed 400 lbs. (181 kg). This is the rated maximum user weight.
- Report any malfunctions, damage or repairs to the facility.
- Replace any warning labels if damaged, worn or illegible.
- Stop and place the treadmill at 0 degrees incline (level) after each use.
- Disconnect power before servicing.

Facility Safety Precautions

- Instruct all users on how to clip the e-stop clip onto their clothing and carefully test it prior to using the treadmill.
- Instruct all users to use caution when mounting and dismounting the treadmill.
- Use a dedicated line when operating the treadmill. **NOTE:** A dedicated line requires one circuit breaker per unit.
- Connect the treadmill to a properly grounded outlet only.
- **DO NOT** operate electrically powered treadmills in damp or wet locations.

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- Keep the running belt clean and dry at all times.
- **DO NOT** leave the treadmill unattended when plugged in and running. **NOTE:** *Before leaving the treadmill unattended, always wait until the treadmill comes to a complete stop and is level. Then, turn all controls to the STOP or OFF position and remove the plug from the outlet. Remove the e-stop key from the treadmill.*
- Immobilize the treadmill (when not in use) by removing the e-stop key.
- Inspect the treadmill for worn or loose components before each use. Do not use until worn or damaged parts are replaced.
- Maintain and replace worn parts regularly. Refer to “Preventive Maintenance” section of Owner’s Manual.
- **DO NOT** operate the treadmill if: (1) the cord is damaged; (2) the treadmill is not working properly or (3) if the treadmill has been dropped or damaged. Seek service from a qualified technician.
- **DO NOT** place the cord near heated surfaces or sharp edges.
- **DO NOT** use the treadmill outdoors.
- **DO NOT** operate the treadmill around or where aerosol (spray) or where oxygen products are being used.
- Read and understand the Owner’s Manual completely before using the treadmill.
- Ensure all users wear proper footwear on or around all Cybox equipment.
- Set up and operate the treadmill on a solid, level surface. Do not operate in recessed areas or on plush carpet.
- Provide the following clearances: 19.7 inches (0.5 m) at each side, 79 inches (2.0 m) at the back and enough room for safe access and passage at the front of the treadmill. Be sure your treadmill is clear of walls, equipment and other hard surfaces.
- **DO NOT** attempt repairs, electrical or mechanical. Seek qualified repair personnel when servicing. If you live in the USA, contact Cybox Customer Service at 888-462-9239. If you live outside the USA, contact Cybox Customer Service at 508-533-4300.
- Use Cybox factory parts when replacing parts on the treadmill.
- **DO NOT** modify the treadmill in any way.
- **DO NOT** use attachments unless recommended for the treadmill by Cybox.
- Ensure all User and Facility Safety Precautions are observed.

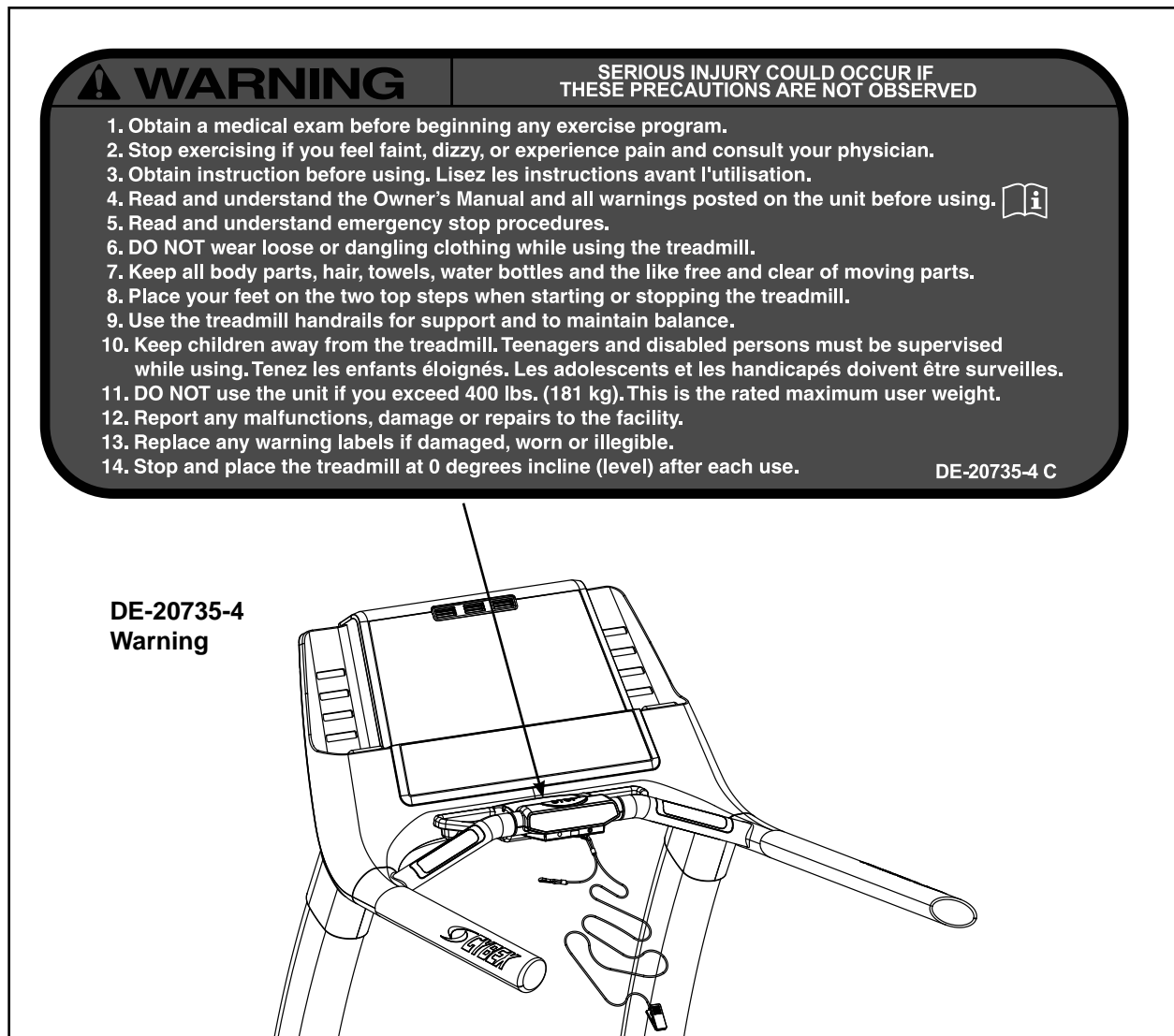
Cybex 750T Treadmill Service Manual

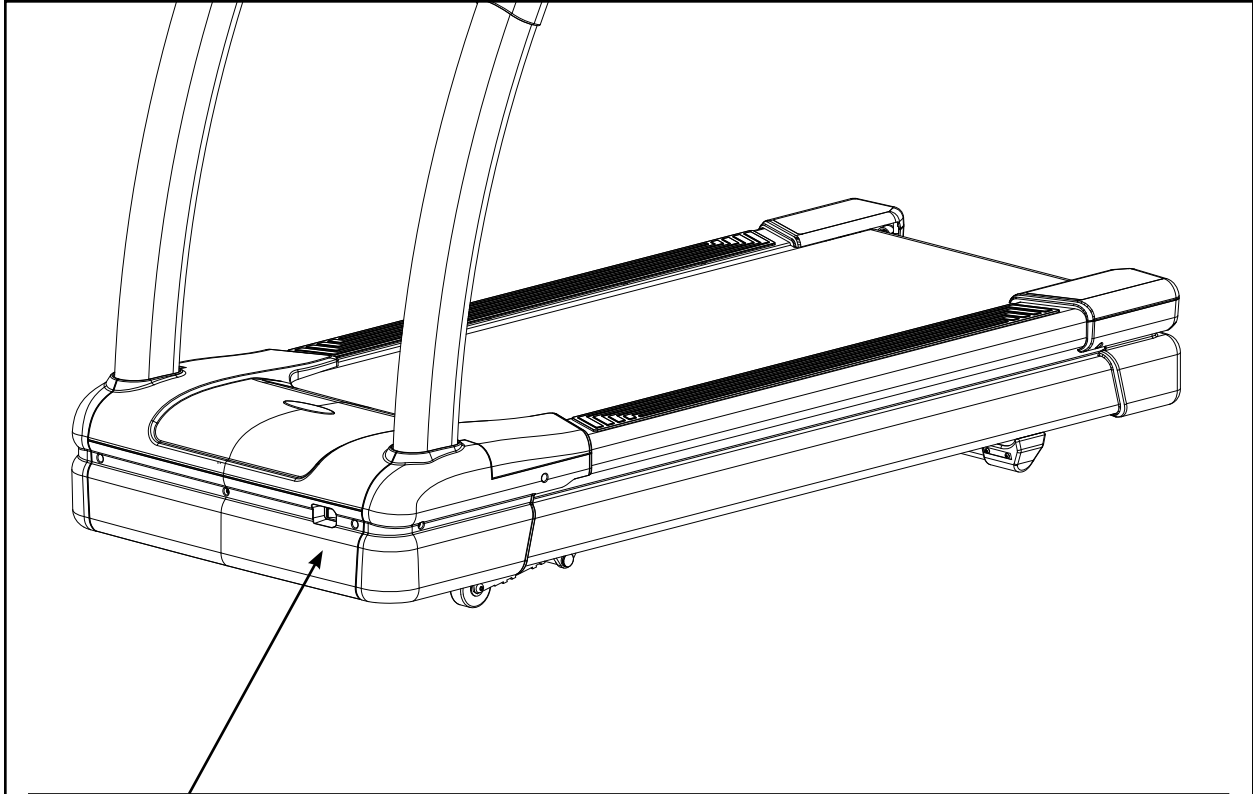
- Carefully read and understand the following before using the 750T treadmill:
 - Warning Decals
 - Caution Decals

To replace any worn or damaged decals do one of the following: Visit www.cybexinternational.com to shop for parts online, fax orders to 508-533-5183 or contact Cybex Customer Service at 888-462-9239. If you are located outside of the USA, call 508-533-4300. For location or part number of labels, see the parts list and exploded-view diagram. This information can be found in the *Service* chapter in this manual or on the Cybex web site at www.cybexinternational.com.

Warning Decals

Warning decals indicate a potentially hazardous situation, which, if not avoided, could result in death or serious injury. The warning decals used on the Cybex 750T are shown below.





	WARNING	WARNUNG	警告	ПРЕДУПРЕЖДЕНИЕ
	AVERTISSEMENT	ADVERTENCIA	警告	VARNING
DISCONNECT POWER BEFORE SERVICING.	DÉBRANCHEZ L'ALIMENTATION AVANT DE FAIRE L'ENTRETIEN.	VOR SERVICEAR- BEITEN NETZSTECKER ZIEHEN.	CORTE LA ENERGIA ELECTRICA ANTES DE REPARAR.	修理点検の前に 電源を 切ってください。
				KOPPLA IFRÅN STRÖMMEN INNAN SERVICE UTFÖRS.
				OTKLYCHITE PITANIE, PREŽDE ČEM PRISTUPATŲ K OBLUŽIVANIJU.
				DE-20427 A

DE-20427
Warning Motor
Cover

Caution Decals

Caution decals indicate a potentially hazardous situation, which if not avoided, may result in minor or moderate injury. There are no caution decals used on this unit. However, there are caution statements listed in Chapters 5 and 6 of this manual. See Chapters 5 and 6.

Emergency Stop Key (e-stop)

The e-stop key functions as an emergency stop. In an emergency situation, the e-stop key disengages from the console and the treadmill will come to a stop. Before using the treadmill, clip the e-stop key as described below.

1. Compress the spring and clip the e-stop clamp to your clothing. Ensure the clip engages enough clothing so it does not fall off in an emergency situation. See Figure 1. **NOTE:** Be sure the string is free of knots and has enough slack for you to workout comfortably with the e-stop key in place.
2. Without falling off the treadmill, carefully step backward until the e-stop pulls out of the console. See Figure 2. **NOTE:** If the e-stop clip falls off your clothing then the test has failed. Reclip the e-stop clip to your clothing and repeat this step.
3. Replace the e-stop key. See Figure 2.
4. The treadmill is now ready to be used. **NOTE:** Ensure the e-stop clip is secured to your clothing at all times during use.

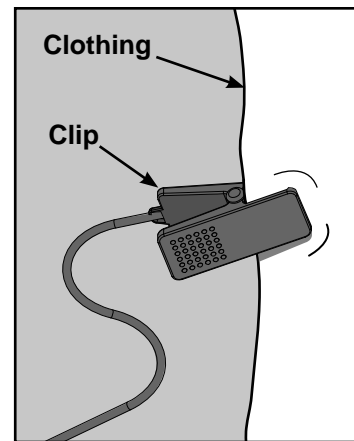


Figure 1

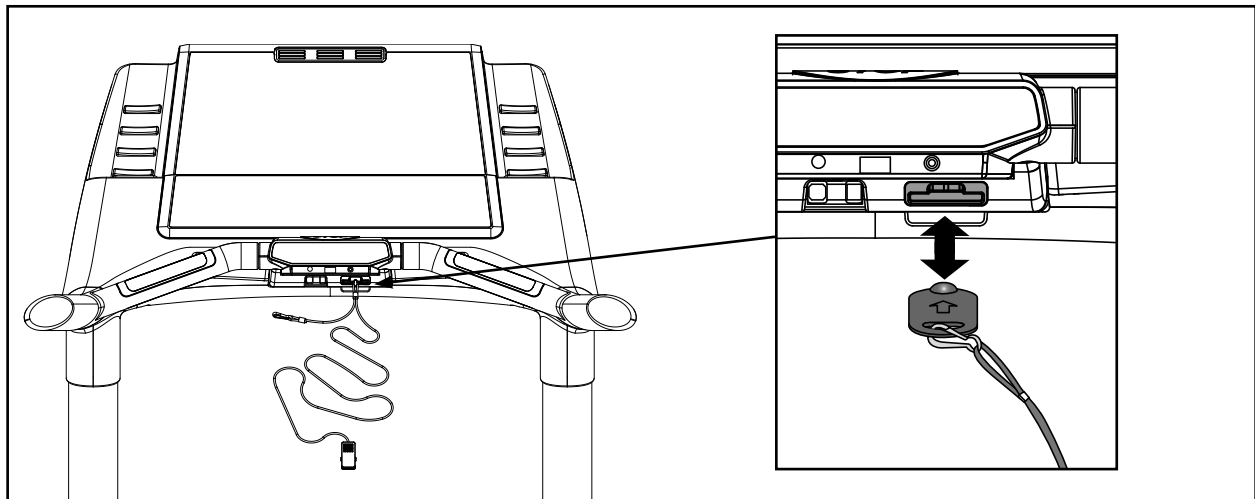


Figure 2

5. After use, remove the e-stop key from the treadmill.

NOTE: The e-stop key can be removed to help prevent unauthorized use. Refer to the Stopping the Treadmill section in the Operation chapter for more information about the e-stop key.

NOTE: When not in use store the e-stop clip on the storage tab located on the lower cover. See Figure 3.

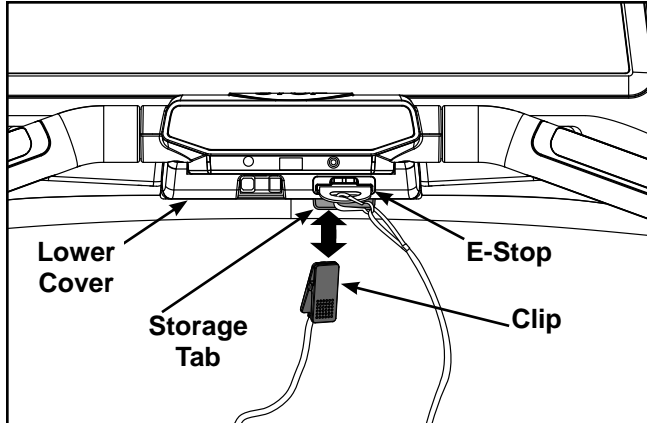


Figure 3

CSAFE Ports

The 750T Treadmill has two CSAFE ports, one in the console for CSAFE devices that need access there, and one under the base of the unit for running a network connection.

NOTE: The CSAFE standard defines a communication protocol and low-voltage DC power source specific to the Fitness Equipment Industry. These RJ-45 phone jacks are provided for use ONLY within the CSAFE protocol. For more information on the CSAFE standard, visit www.fitlinxx.com/csafes. Not every connection carries both the communication and power capability.

NOTE: The console CSAFE port inside the console contains the full implementation, with both network communications and a standard CSAFE voltage (minimum 8.0 VDC) power source. The base CSAFE port is accessible under the base of the treadmill and is for network communications only and does not contain the DC power source. See Figures 4 and 5.

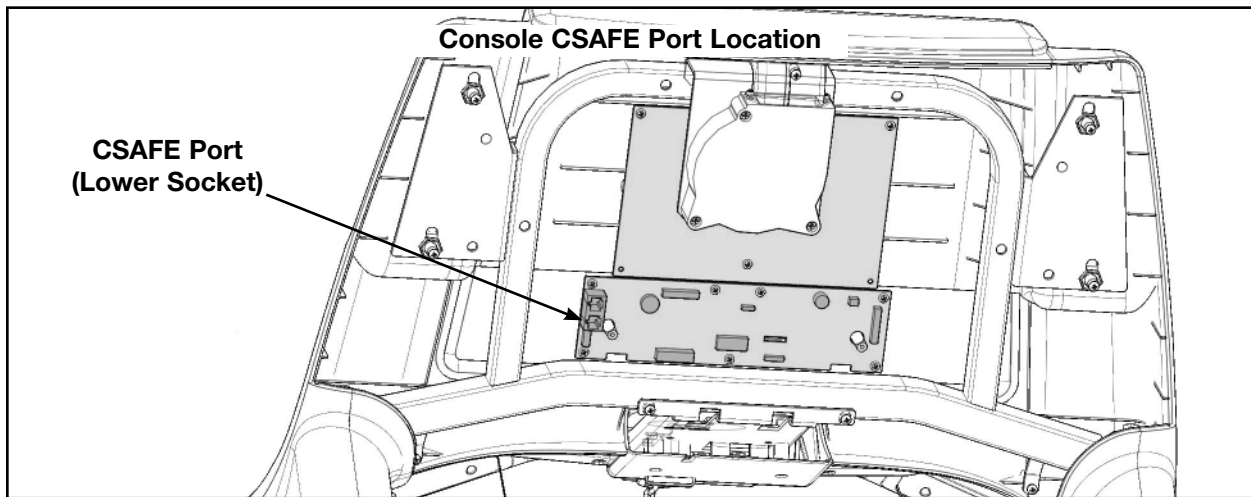


Figure 4

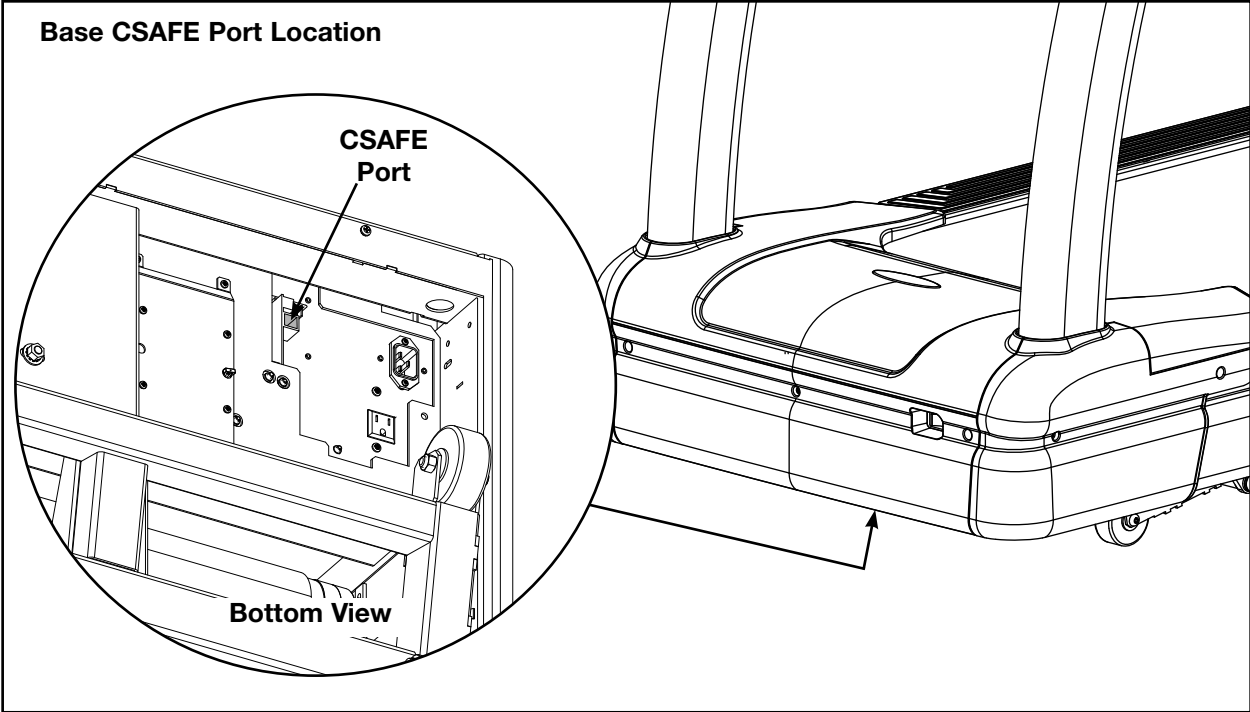


Figure 5

2 - Preventive Maintenance

Warnings/Cautions

All warnings and cautions listed in this chapter are as follows:



WARNING: *All maintenance activities shall be performed by qualified personnel. Failure to do so could result in serious injury.*



WARNING: *To prevent electrical shock, be sure that power is shut off and the treadmill is unplugged from the electrical outlet before performing any cleaning or maintenance procedures.*



WARNING: *Keep wet items away from inside parts of the treadmill. Electrical shock could occur even if the treadmill is unplugged. Do not touch components on the lower board. A charge can remain after unplugging the power cord and turning off the treadmill.*

Regular Maintenance Activities



WARNING: *All maintenance activities shall be performed by qualified personnel. Failure to do so could result in serious injury.*

Preventive maintenance activities must be performed to maintain normal operation of your treadmill. Keeping a log sheet of all maintenance actions will assist you in staying current with all preventive maintenance activities. See Service Schedule located at the end of this chapter.

NOTE: *Worn or damaged components shall be replaced immediately or the treadmill removed from service until the repair is made.*

NOTE: *Cybex is not responsible for performing regular inspection and maintenance actions for your treadmill. Instruct all personnel in equipment inspection and maintenance actions and also in accident reporting/recording. Contact Cybex Customer Service at 888-462-9239 or 508-533-4300 for any preventive maintenance or service concerns.*

Cleaning Your Treadmill

When cleaning your treadmill spray a mild cleaning agent, such as a water and dishsoap solution, on a clean cloth first and then wipe the treadmill with the damp cloth. **NOTE:** *Do not spray cleaning solution directly on the treadmill. Direct spraying could cause damage to the electronics and may void the warranty.*



WARNING: *To prevent electrical shock, be sure that power is shut off and the treadmill is unplugged from the electrical outlet before performing any cleaning or maintenance procedures.*

After Each Use — Wipe up any liquid spills immediately. After each workout, use a cloth to wipe up any remaining perspiration from the handrails and painted surfaces.

Be careful not to spill or get excessive moisture between the edge of the display panel and the console,

as this might create an electrical hazard or cause failure of the electronics.

As Needed — Vacuum any dust or dirt that might accumulate under or around the treadmill. Motors are especially susceptible to dust and dirt, and restricted airflow can prevent adequate cooling that could shorten motor life. Cleaning this area should be done as often as indicated in the *Service Schedule*.



WARNING: *Keep wet items away from inside parts of the treadmill. Electrical shock could occur even if the treadmill is unplugged. Do not touch components on the lower board. A charge can remain after unplugging the power cord.*

To clean the motor components, you must loosen the four Phillips head screws that hold the motor cover in place. Lift the cover straight up; the screws and side covers will stay in place. Use a vacuum attachment or hand vacuum to clean the exposed elevation assembly, drive motor, lower electronics and the surrounding areas.

Also use a dry cloth for the areas that you can not reach with the vacuum cleaner. If the machine has not been used for some time or is excessively dirty, use a *dry* cloth to wipe all exposed areas.

Carefully raise the rear of the treadmill and roll it back from its present position to vacuum the floor area underneath the unit. When finished, return the treadmill to its normal position.

Contact Heart Rate Grips — Contaminants, such as hand lotions, oils or body powder, may come off on the contact heart rate grips. These can reduce sensitivity and interfere with the heart rate signal. It is recommended that the user have clean hands when using the contact heart rate. Clean the grips using a cloth dampened with a cleaning solution containing rubbing alcohol. The grips are the only part of the treadmill you should use a cleaning solution containing rubbing alcohol.

Running Belt Maintenance

Belt and Deck — Wipe the belt surface and the deck area with a clean dry towel to minimize the effect of friction between the deck and the running belt. This should be done often to prevent premature wear of the deck, running belt, and the drive motor system. See the *Service Schedule* at the end of this chapter.

The running belt may become loose and slip on the drive roller with each foot plant. If it does, follow the *Tensioning and Centering the Belt* procedure below. See the *Service Schedule* in this chapter for a minimum schedule for checking the belt tension.

Tension and Center the Belt — If the belt is slipping under each step perform this procedure:

Tools Required

- 3/4" Socket wrench

1. Tension the belt.

- A. Use a 3/4" socket wrench to turn each bolt 1/2 turn clockwise. See Figure 1.

NOTE: Be sure to adjust each bolt equally on each side.

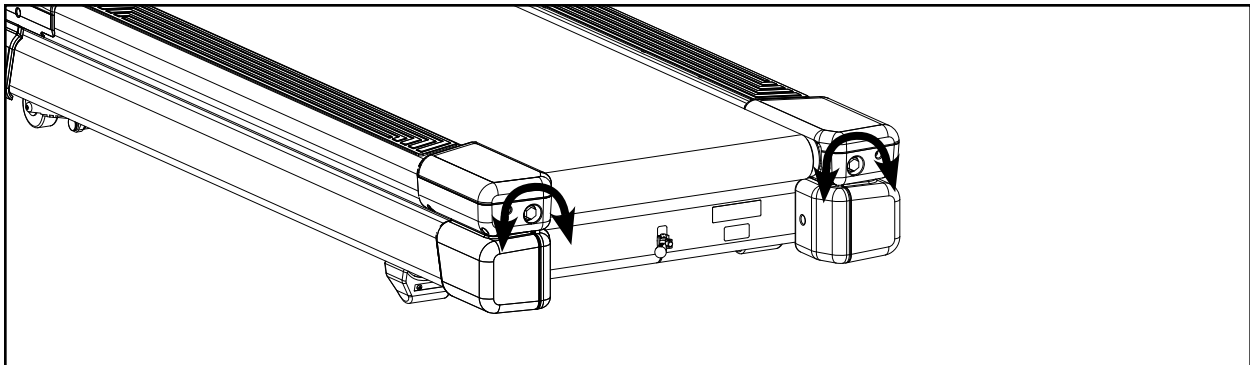


Figure 1

- B. Press the **Quick Start** key.
- C. Press the **Speed +** to bring the speed up to 3.5-4 mph (5.6-6.4 kph). Allow the treadmill to run for a minute.
- D. Observe the belt to be sure it stays centered. If it is not centered follow step 2.
- E. Walk on the belt to see if it still slips. If it does restart this procedure at step 1 A. If you have to do this procedure three times and it still slips call Cybex Customer Service. Follow the next step to be sure the belt is centered.

NOTE: Be careful not to over tighten the belt. Over tightening the belt can cause the belt to stretch and require replacement.

2. Center the belt.

NOTE: While centering the belt choose one bolt to adjust. Do not adjust both bolts.

- A. With the treadmill running at 5 mph (8 kph) observe the running belt. If the belt tracks off center to the right or left, the deck will become exposed. Use a 3/4" socket wrench to tighten the rear roller bolt on the side of the treadmill toward which the belt is moving. For example: If the belt moves to the right and the deck becomes exposed on the left, tighten the bolt on the right side of the frame, tighten about 1/2 of a turn (clockwise) and wait 30 seconds. If the belt does not move back to the center of the treadmill, make another adjustment to the **same bolt**. Once the running belt has been adjusted closer to the center of the treadmill, use about 1/4 of a turn until the belt has been stabilized.
- B. After the belt has been centered, check the belt tension again. Make sure the running belt tension is tight enough so that the belt does not slip or hesitate when stepped on. Walk on the treadmill at 3.5-4 mph (5.6-6.4 kph) and every 4th to 5th step throw your weight into your step to feel if the belt is slipping. If the belt does slip, use a wrench to equally tighten **both** rear roller adjustment bolts 1/2 of a turn (clockwise). Adjust the belt until no further slipping is felt.

Checking the Belt and Deck Surfaces — The running belt and deck should be checked periodically for any excessive wear. In an effort to make sure that the running belt operates properly, visually inspect the belt often to make sure that there are no tears or fraying in the belt material. The running belt should be replaced and the running deck flipped every 15,000 miles (24,140 km). A service prompt will appear at this interval and the parts will need to be replaced.

Inspect the edges of the belt as described below.

Tools Required

- None

1. Disconnect the external power source.

- A. Turn the main power switch on the front of the unit to the off (O) position.
- B. Unplug the treadmill from the power outlet.

2. Check the belt and deck condition.

- A. Look at the edges of the belt while you roll it by hand. If the belt has any rips or looks excessively worn the belt needs to be replaced.
- B. Run your hand under the belt on the top of the deck surface. If you feel excessive ridges or cracks, or if any wood is exposed under the black surface, the deck should be replaced. In time, a worn belt and deck can cause high current draw and ultimately, motor failure.

NOTE: If the running belt and deck need replacement refer to a qualified service technician.

Other Preventive Maintenance

Other preventive maintenance activities must be completed by a qualified service technician at the recommended intervals listed in the *Service Schedule* at the end of this chapter. These activities include:

- Replace the running deck
- Replace the running belt

Elevation Motor Lubrication — In time the elevation motor pivot points may develop a squeak. Lubricate the upper and lower bolts and the spacers with a small amount of lithium grease. **NOTE:** *You can buy lithium grease at an auto parts store.*

Static Electricity — Depending upon where you live, you may experience dry air, causing a common experience of static electricity. This may be especially true in the winter time. You may notice a static build-up just by walking across a carpet and then touching a metal object. The same can hold true while working out on your treadmill. You may experience a shock due to the build-up of static electricity on your body and the discharge path of the treadmill. If you experience this type of situation, you may want to increase the humidity to a comfortable level through the use of a humidifier.

Service Schedule

All maintenance activities shall be performed by qualified personnel. Failure to do so could result in serious injury.

NOTE: *This is the minimum recommended service.*

1. Determine mileage.

- A. While in *Dormant Mode* enter *Statistics Mode* by pressing the sequence **CLEAR 999** and **ENTER**. The **ENTER** key is active to advance to the next screen. The **SPEED** control keys are also active to move forward or backwards in the menu.
- B. Press the **SPEED** control keys to display “**6-SERVICE**” and miles or kilometers to the next required service will be displayed.
- C. Record Mileage. **NOTE:** *Displays the count-down mileage to the next required service. Mileage start at 15,000 miles (24,140 Km) and counts down to 0.*

NOTE: *To exit Statistics Mode, press the **CLEAR** key .*

First 500 miles (800 km).

- Check running belt tension and tracking.

Every 5,000 miles (8,000 km).

- Check running belt tension and tracking.
- Move treadmill and vacuum underneath.
- Raise elevation to 15%, carefully tip treadmill up on the console to clean underneath with a dry cloth and vacuum. Return to normal position when done.

Every 15,000 miles (24,140 km).

- Replace running belt and flip deck.
- Check elevation assembly and replace worn parts.
- Lubricate elevation pivot points.

Every 30,000 miles (48,280 km).

- Replace running belt and deck.

2. Resetting the service odometer.

- A. While in *Dormant Mode* enter *Statistics Mode* by pressing the sequence **CLEAR 999** and **ENTER**. The **ENTER** key is active to advance to the next screen. The **SPEED** control keys are also active to move forward or backwards in the menu.
- B. Press the **SPEED** control keys to display “**6-SERVICE**” and miles or kilometers to the next required service will be displayed.
- C. Press and hold the **CLEAR** key for three seconds to reset the service odometer to *15,000 miles (24,140 km)*.

NOTE: *Service may be performed before the 15,000 miles (24,140 km) service prompt appears. Perform the service on the unit and follow the above procedure to reset the service odometer to zero.*

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Displays the count-down to the next required service in miles remaining. Also allows for resetting this odometer of a service has been performed.

Displayed as “SERVICE IN XXXXX MI (or KM)” where XXXXX is the distance until the next scheduled maintenance. The odometer is set to 15,000 miles (24,140 Km). The Odometer counts down from 15,000 (24,140 Km) miles to 0 before displaying the Service message. Press and hold the **CLEAR** key for three seconds while displaying the service odometer will reset it to 15,000 miles (24,140 Km).

Statistics

The Statistics screen allows tracking of equipment usage.

Open Statistics screen from *Dormant Mode*

Press **Clear**

Key **9-9-9**

Press **ENTER**

Data features can also be accessed from the CSAFE port.

Use the **ENTER** key to advance to next screen.

Use the **Load Control** Keys to scroll forward or backward in the menu.

Statistics Menu	Display	
ST1 – ODOMETER	MI XXXX.X or KM XXXX.X	0.0 – 999,999.9 Miles/Km = total miles accumulated and units are either Miles or Km, depending on the setup.
ST2 – HOURS	HOURS	0 – 99999 = total time in hours for running belt movement.
ST3 – STARTS	STARTS XXXXXX	0 – 999999 = number of running belt starts
ST4 – MOVES	MOVES XXXXXXXX	0 – 9,999,999 = Number of incline moves in 1% increments.
ST5 – ERRORS	[Log #] [ERR #] HH:MM M-DD-YY	Tracks error codes in a rolling log of 20 entries, each stamped with time and date
ST6 – SERVICE	SVC IN XXXXX MI (or KM)”	The distance until the next scheduled maintenance. This counts down from 15,000 miles
ST7 – PGM USAGE	PR Y XXXXXX	Y= program number XXXXXX = number of times each program has been started



WARNING: All maintenance activities shall be performed by qualified personnel. Failure to do so could result in serious injury.

NOTE: *Cybex is not responsible for performing regular inspection and maintenance actions for your treadmill. Instruct all personnel in equipment inspection and maintenance actions and also in accident reporting/recording. Contact Cybex Customer Service at 888-462-9239 or 508-533-4300 for any preventive maintenance or service concerns.*

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3 - Customer Service

Contacting Service

Hours of phone service are Monday through Friday from 8:30 a.m. to 6:00 p.m. Eastern Standard Time.

For Cybex customers living in the USA, contact Cybex Customer Service at **888-462-9239**.

For Cybex customers living outside the USA, contact Cybex Customer Service at **508-533-4300** or fax **508-533-5183**.

Serial Number and Voltage

Your serial number and voltage can be found on the rear of your treadmill. See Figure 1. For your convenience, record your serial number and voltage below so that you will have it ready if you call Cybex Customer Service.

Serial Number _____ Voltage _____

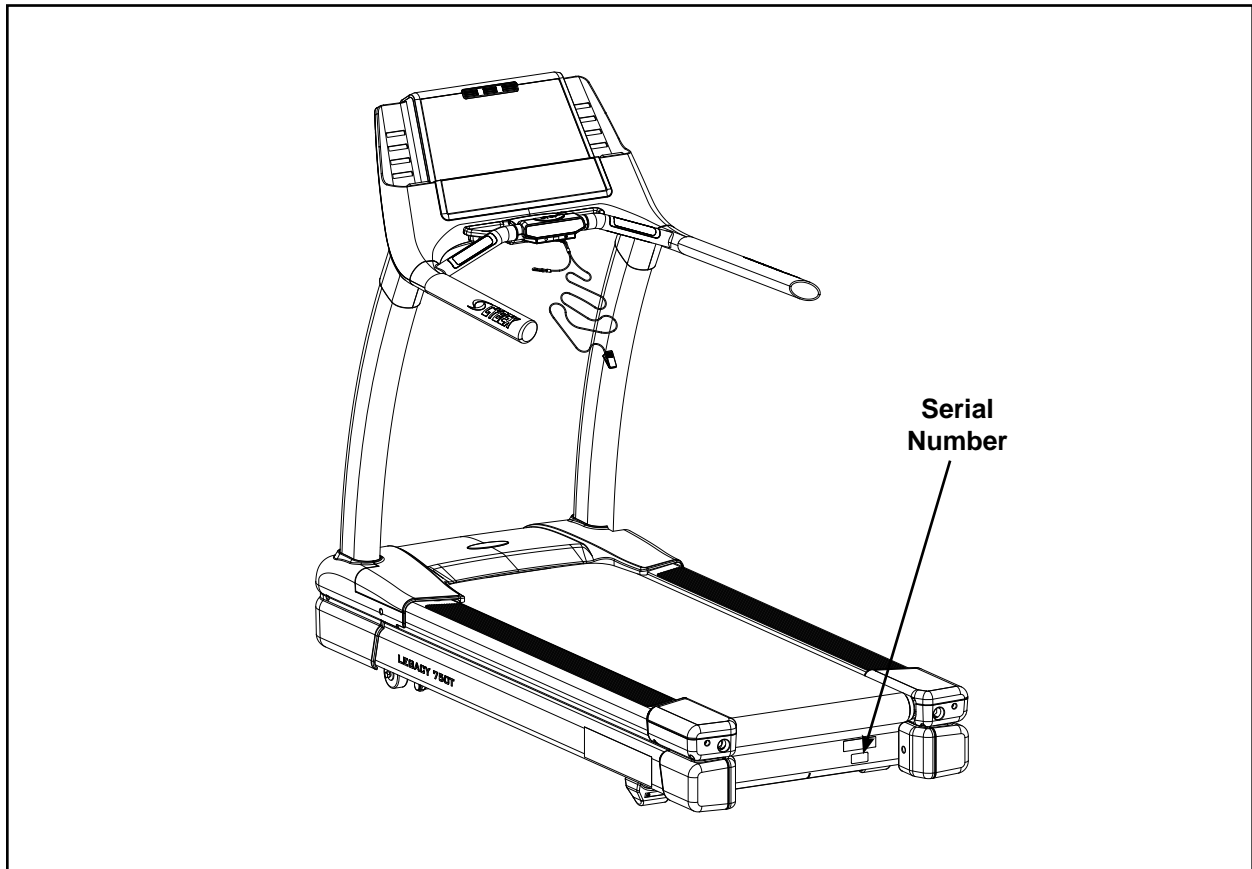


Figure 1

Return Material Authorization (RMA)

The Return Material Authorization (RMA) system outlines the procedures to follow when returning material for replacement, repair, or credit. The system assures that returned materials are properly handled and analyzed. Perform the following procedures carefully.

Contact your authorized Cybex dealer on all warranty-related matters. Your local Cybex dealer will request an RMA from Cybex, if applicable. Under no circumstances will defective parts or equipment be accepted by Cybex without proper RMA and an Automated Return Service (ARS) label.

1. Call the Customer Service Hotline listed above for the return of any item that is defective.
2. Provide the technician with a detailed description of the problem you are having or the defect in the item you wish to return.
3. Provide the model and serial number of your treadmill. The serial number is located on the front panel of your treadmill. The serial number begins with a letter, for example: R09-101331100.
4. At Cybex's discretion, the technician may request that you return the problem part(s) to Cybex for evaluation and repair or replacement. The technician will assign you an RMA number and will send you an ARS label. The ARS label and RMA number must be clearly displayed on the outside of the package that contains the item(s) to be returned. Include a description of the problem, the serial number of the treadmill and the name and address of the owner in the package along with the part(s).
5. Forward the package through UPS to Cybex.
Attn: Customer Service Department
Cybex International, Inc.
10 Trotter Drive
Medway, MA 02053

NOTE: Merchandise returned without an RMA number on the outside of the package or shipments sent C.O.D. will not be accepted by the Cybex receiving department.

Damaged Parts

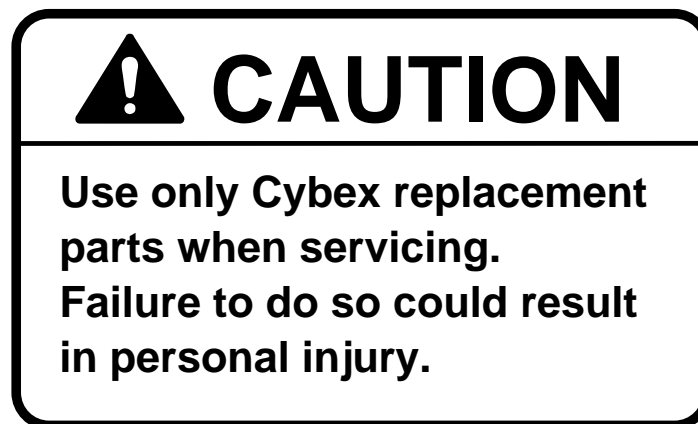
Materials damaged in shipment should not be returned for credit. Shipping damages are the responsibility of the carrier (UPS, Federal Express, trucking companies, etc.).

Apparent Damage — Upon receipt of your shipment, check all boxes carefully. Any damage seen with a visual check must be noted on the freight bill and signed by the carrier's agent. Failure to do so will result in the carrier's refusal to honor your damage claim. The carrier will provide you with the required forms for filing such claims.

Concealed Damage — Damage not seen with a visual check upon receipt of a shipment but noticed later must be reported to the carrier as soon as possible. Upon discovery of the damage, a written or phone request to the carrier asking them to perform an inspection of the materials must be made within ten days of the date of delivery. Keep all shipping containers and packing materials, they will be needed as part of the inspection process. The carrier will provide you with an inspection report and the necessary forms for filing a concealed damage claim. Concealed damage is the carrier's responsibility.

Ordering Parts

Fax your order to **508-533-5183**. To speak with a customer service representative, call **888-462-9239** (for customers living within the USA) or **508-533-4300** (for customers outside the USA)..



Cybex will void warranty if non-Cybex replacement parts are used.

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4 - Service



Warnings

All warnings and cautions listed in this chapter are as follows:

WARNING: *All maintenance activities shall be performed by qualified personnel. Failure to do so could result in serious injury.*

WARNING: *Disconnect the power cord before beginning this procedure.*

WARNING: *Drive belt is under tension. Do not pinch fingers while releasing tension.*

WARNING: *Disconnect the power cord before beginning this procedure. Keep wet items away from inside parts of the treadmill. Electrical shock could occur even if the treadmill is unplugged. Do not touch components near the motor controller. A charge can remain after unplugging the power cord and turning off the treadmill.*

WARNING: *Keep wet items away from inside parts of the treadmill. Electrical shock could occur even if the treadmill is unplugged. Motor brush removal and replacement should be performed by a qualified service technician.*



Cautions

CAUTION: *Use only Cybex replacement parts when servicing. Failure to do so could result in personal injury.*

CAUTION: *During this procedure STAY OFF THE RUNNING BELT! Stand with your feet on the two steps.*

CAUTION: *Always use proper lifting methods when moving heavy items.*

Display Console

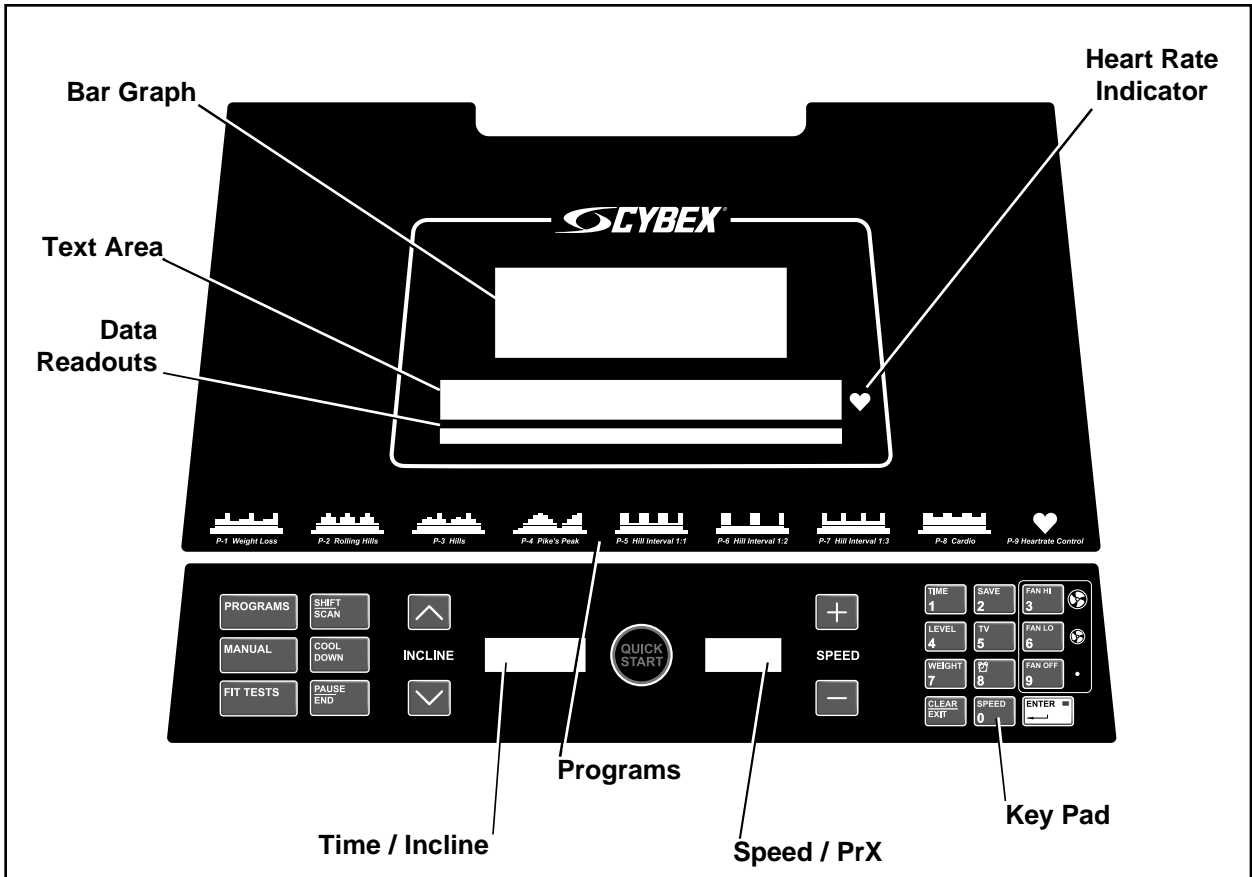


Figure 1

Audio Visual (AV) Key Pad – Optional

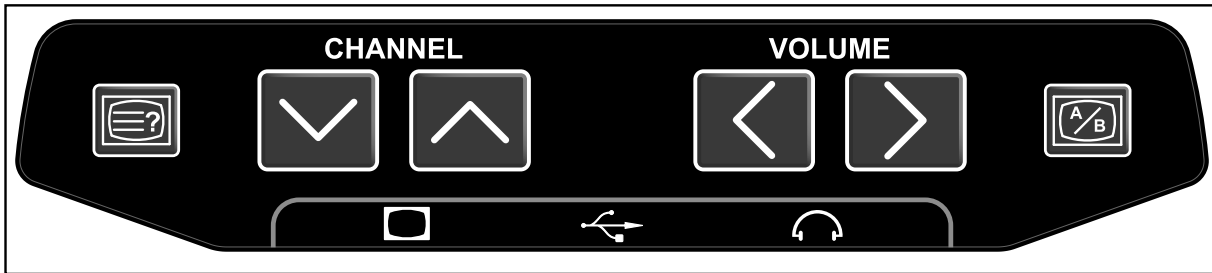


Figure 2

Service Diagnostics

Service diagnostics allows testing, monitoring or altering of unit controls and performance.

Open service diagnostics from *Dormant mode* or opening screen. Press **PAUSE/END** key to exit.

Press **CLEAR**, press **8-8-8** and press **ENTER**.

LED TEST

A quick LED test begins with lighting the following for three seconds each.

1. Bar Graph Matrix (BGM) LEDs
2. Text Area
3. Data Readout LED

“Key Test” will then be displayed.

KEY TEST

Test each key by pressing once. Each key press is recognized with a beep. If key is held, beep is repeated or stuck key is indicated.

Press **STOP** to exit test and move forward in *Test Mode*.

STATIC I/O

“STATIC I/O” is displayed in Text Area.

1. Check software version

SHIFT/SCAN key displays the model and software version of the unit “750CR VX.YY”.
X=Major Version and .YY=minor version.

2. Test heart rate display

Grasp heart rate grips to verify heart rate LED blinks and “CHR” is displayed. If testing wireless heart rate, “WHR” displays.

3. Test Controller Communication

The two lower left decimal points of the time display to indicate receiving (left) and transmitting (right) communication signals.

4. Test Network Communication

The upper right decimal points of the time display to indicate receiving (left) and transmitting (right) CSAFE and/or AV Port Communication signals.

5. Repeat Display Test

Push **PROGRAMS** key to light up the entire Bar Graph matrix and Red RGB.

Push **MANUAL** key to light up the entire Text Area and Green RGB.

Push **ADVANCED** key to light up the entire enunicator, Blue RGB and 7-segment displays.

Display test

Press and hold the **Programs** key to light up the Bar Graph Matrix LED's. Press and hold the **Manual** key to light up the 5 x 7 Dot Matrix LED's and Data Readout LED's. Press and hold the **Fit Test** key to light up the 7-Segment Displays.

Motion sensor test

The motion sensor is located to the left of the estop key. While standing to the side of the treadmill, wave your hand in front of the motion sensor. An audible beep will indicate the sensor is working. See Figure 3.

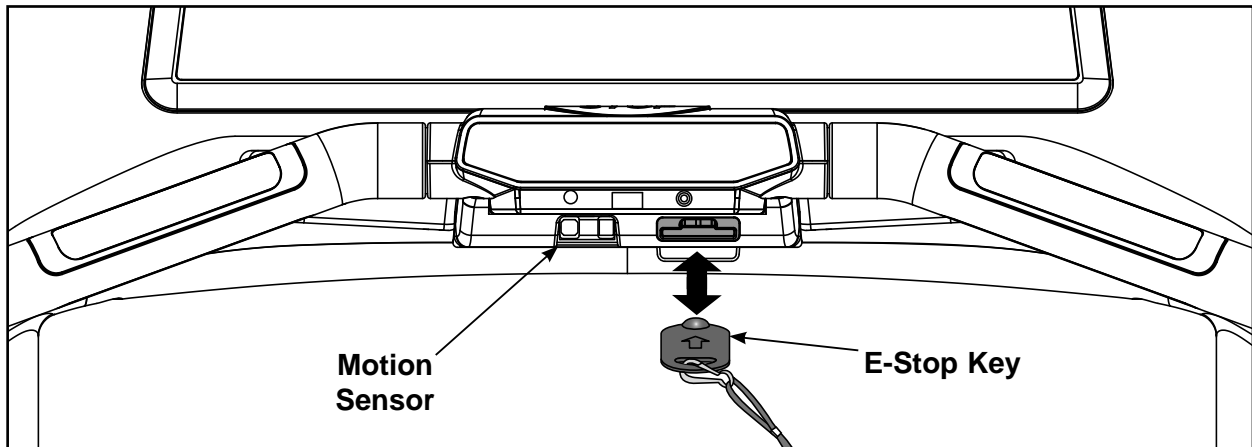


Figure 3

E-Stop key/Stop test

- Pull out the e-stop key to display "Emergency Stop". Insert the e-stop key back into the console. See Figure 3.
- Press the **Pause/end** key once to display "Emergency Stop". Press the **Pause/end** key a second time to return to "Static IO test".
- Pressing the **STOP** button will test the stop key and exit the *Static IO test*.

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DRIVE DIAGNOSTICS

Enter Drive Diagnostics by holding the **ENTER** key for 5 seconds while in Static I/O test. This creates a diagnostics screen for controlling and viewing lower controller values.

Text Area shows "DRIVE DIAGNOSTICS".

Navigation Keys	
ENTER	Enters diagnostic mode and advances through menu.
STOP	Exits diagnostics.
QUICK START	Starts running belt at 0.5 MPH (0.8 KPH)
INCLINE \wedge V	Incline and decline elevation.
SPEED + -	Increase and decrease running belt speed.
Drive Diagnostics Menu (Press ENTER to advance through menu)	
OUT FREQ XX.X	Output frequency. Expected range is 0 to 150 Hz. Displayed 10x (0 to 1500).
SET FREQ XXX	Set frequency. Expected range is 0 to 150 Hz. Displayed 10x (0 to 1500).
OUT CURR XX.X	Output current. Expected range is 0 to 25.0 Amps.
OUT VOLTS VVV	Output voltage. Expected range is 0 to 350 Volts.
DC LINK VVV	DC Link voltage. Expected range is 290 to 350 Volts.
TEMP	Reported in increments of 1 degree Celcius. Expected range is 0 to 105.
CODE V X.XX	Software revision number.

Press the **STOP** key to stop the motors and return to the *Static IO test*. Press the **STOP** key again to exit to *Dormant Mode*.

Error Codes

Error codes notify user of a problem condition and are displayed on the console. Error codes can also help to indicate the part of the unit most likely to be causing the problem. Errors are tracked in a rolling log of 20 entries, each stamped with time and date. The log number will show in the TIME display as L-01 through L-20.

Error Code Listing	
Error Code #	Meaning
1	No Speed at Startup
3	Speed Irregularity/Underspeed
5	Drive Communication Lost
6	Speed Irregularity/Overspeed
7	Controller Over-Current (Fold-back)
8	Approaching Over-Temperature
9	Display watchdog triggered
92	Over Current (Output)
93	Over Voltage (DC Link)
94	Over Heat (Heatsink)
95	Low Voltage (DC Link)
96	Thermal Integrator of output current
98	Display Communication Lost - Belt speed zero
99	Display Communication Lost - Belt moving
103	Input Current OC trip (110 VAC only)
105	Thermal Integrator of Input Current (110 VAC only)
140	Can not find home position on power-up
141	Can not find home position during use
142	Out of incline range (over 15% or lower than -3%)
150	Out of Speed Range (over 150hz)

End Caps and Top Platforms

NOTE: During this procedure you will have the option to remove the end caps, top platforms, rear roller, front roller, running deck, running belt, rubber mounts, drive belt and drive motor. Follow this procedure from step 1 even though the heading for some of these procedures will appear before the step where you remove that part.

Tools Required

- Phillips screwdriver
- 3/16" Allen wrench
- 7/16" Socket wrench



WARNING: Disconnect the power cord before beginning this procedure. Keep wet items away from inside parts of the treadmill. Electrical shock could occur even if the treadmill is unplugged. Do not touch components near the motor controller. A charge can remain after unplugging the power cord and turning off the treadmill.

1. **Disconnect the external power source.**
 - A. Turn the main power switch on the front to the off (O) position.
 - B. Unplug the treadmill from the power outlet.
2. **Remove the end caps.**
 - A. Using a Phillips screwdriver, remove the screw securing each of the top end caps to the frame. See Figure 4.

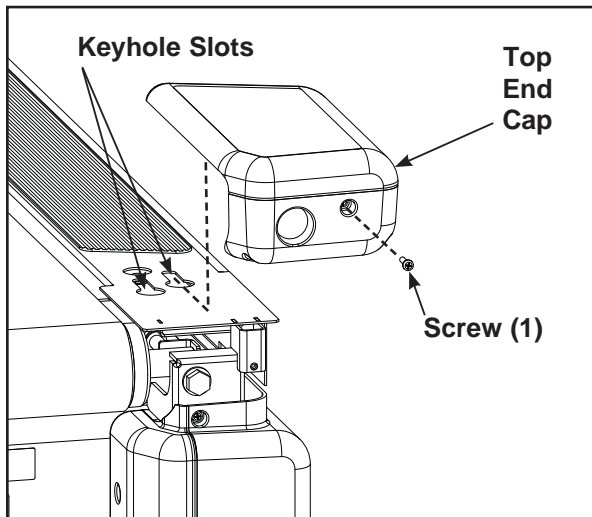


Figure 4

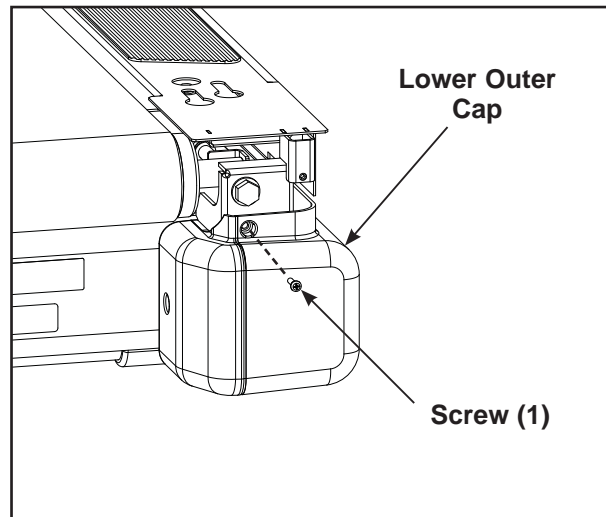


Figure 5

- B. Slide each top end cap to the rear of the treadmill and lift up and out of the keyhole slots.
- C. Using a Phillips screwdriver, remove the rear screw securing each of the lower outer caps to the frame. See Figure 5.

- D. Using a Phillips screwdriver, remove the screw securing each of the lower inner caps to the lower outer caps See Figure 6.

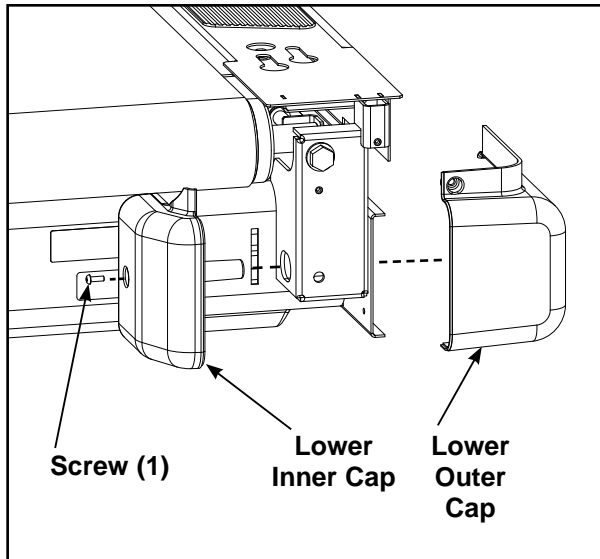


Figure 6

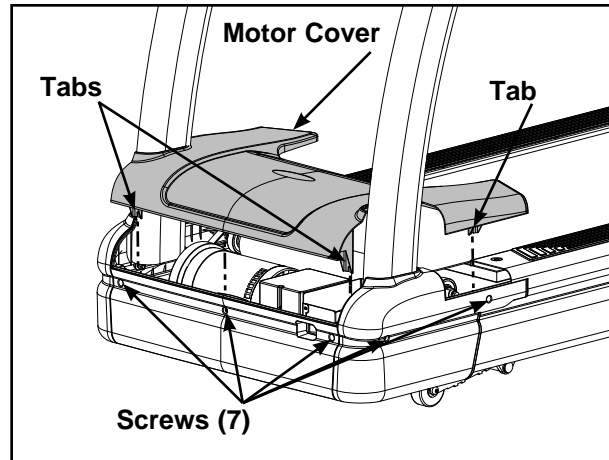


Figure 7

3. Remove the motor covers.

- A. Using a Phillips screwdriver, loosen the seven screws on the front motor cover and each motor cover side (left and right). See Figure 7.
- B. Lift the motor cover up and off the treadmill. The screws will stay in place. See Figure 7.
- C. Using a Phillips screwdriver, remove the four screws securing each motor cover side (left and right). See Figure 8.

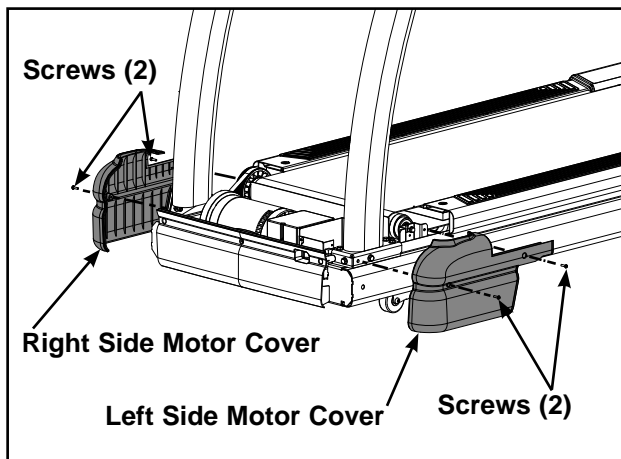


Figure 8

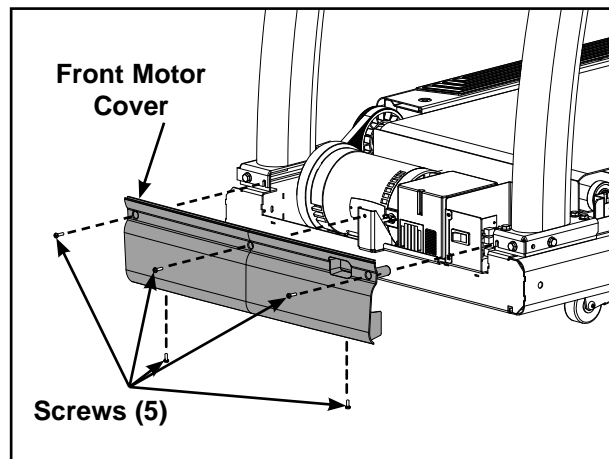


Figure 9

- D. Using a Phillips screwdriver, remove the five screws securing the front motor cover. See Figure 9. **NOTE:** The treadmill will need to be elevated or tipped on it's side to remove the two lower screws.

4. Remove the top platforms.

- A. Using a 7/16" Socket wrench, remove the hex head bolt, lock washer and flat washer at the rear of the top platform. See Figure 10.
- B. Using a 3/16" Allen wrench, remove the button head bolt, lock washer and flat washer at the front of the top platform. See Figure 10.
- C. Grasp the top platform and slide it off the treadmill.
- D. Repeat steps 4A to 4C for the other side.

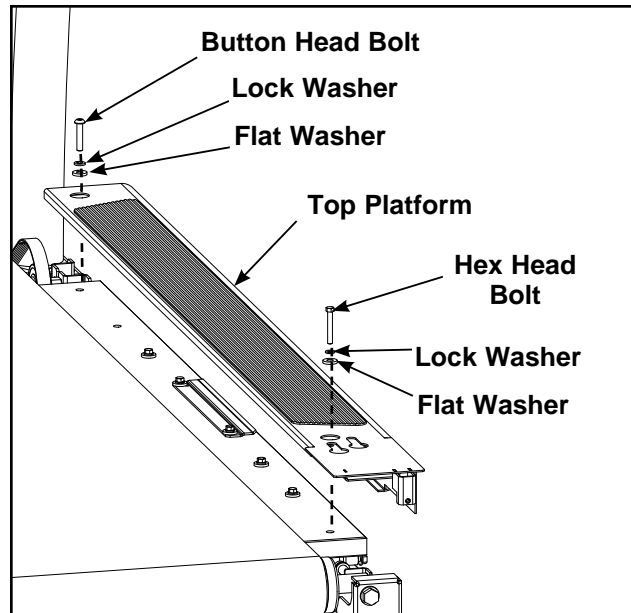


Figure 10

Rear Roller

Tools Required

- 3/4" Socket wrench

5. Remove the rear roller.

- A. Using a 3/4" Socket wrench, remove the two rear roller bolts, washers, bushing and rear roller nut (one roller bolt on each side). **NOTE:** Loosen each bolt evenly, making sure not to loosen either bolt too many turns before moving to the other bolt. See Figure 11.
- B. Lift one side of the rear roller and slide the roller out of the running belt.

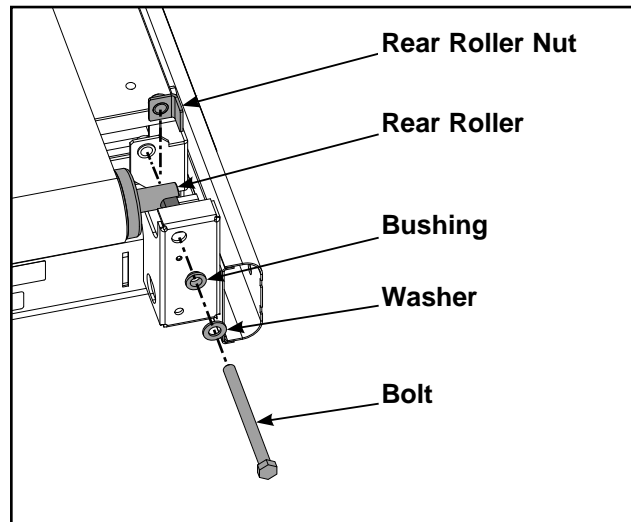


Figure 11

Front Roller

6. Remove the front roller.



WARNING: Drive belt is under tension. Do not pinch fingers while releasing tension.

Tools Required

- 3/4" Socket wrench
- A. Using a 9/16" Socket wrench loosen the right front roller bolt. See Figure 12. **NOTE:** The bolt will stay on the front roller. You do not need to remove it for this procedure.
 - B. Using a 9/16" Socket wrench loosen the left front roller bolt.
 - C. Slide the drive belt off of the front roller and remove the front roller.

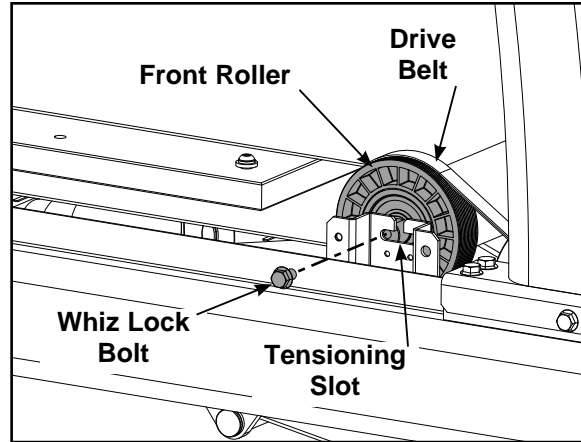


Figure 12

Running Belt and Deck

Tools Required

- 7/16" Socket wrench

7. Remove the deck.

- A. If rotating or flipping the deck, make a note on the deck so you know which way it was positioned.

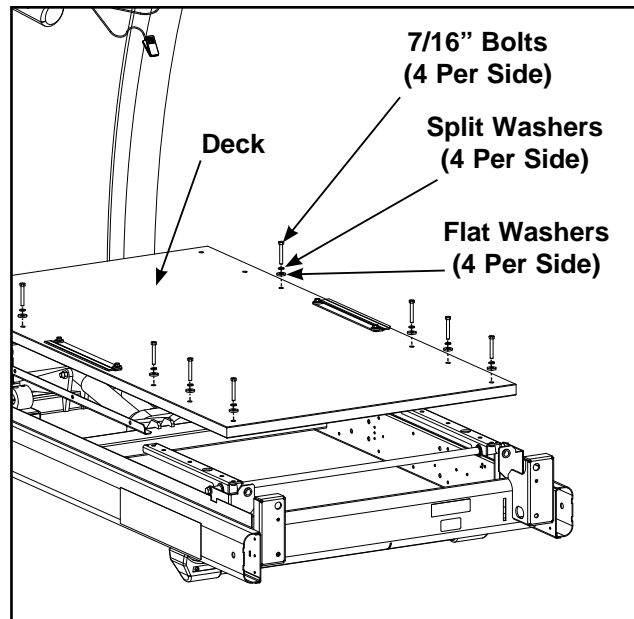


Figure 13

8. Remove the deck by sliding it sideways out of the unit.

- A. Using a 7/16" Socket wrench, remove the eight screws, eight split washers and eight flat washers that hold the deck in place. See Figure 13.
- B. Slide the running deck out of the frame.

9. Inspect the deck bumpers.

- A. Inspect the deck bumpers for cracks or wear. See Figure 14. **NOTE:** Unscrew and replace the rubber mounts if the rubber is cracked or worn.

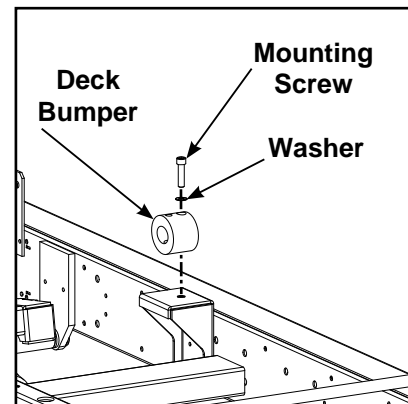


Figure 14

10. Remove the running belt.

- A. With the deck, front and rear rollers out of the unit you can now remove the running belt.

Deck Pivot

Tools Required

- 9/16" Socket wrench

11. Remove the deck pivot assembly.

- Using a 9/16" Socket wrench, remove the two mounting bolts securing the deck pivot shaft to the frame See Figure 14.
NOTE: *There is one bolt at each end of the deck pivot shaft.*
- With the deck pivot shaft out of the unit you can now remove the deck pivot brackets, bushings, wave washer and the retaining rings. See Figure 15.

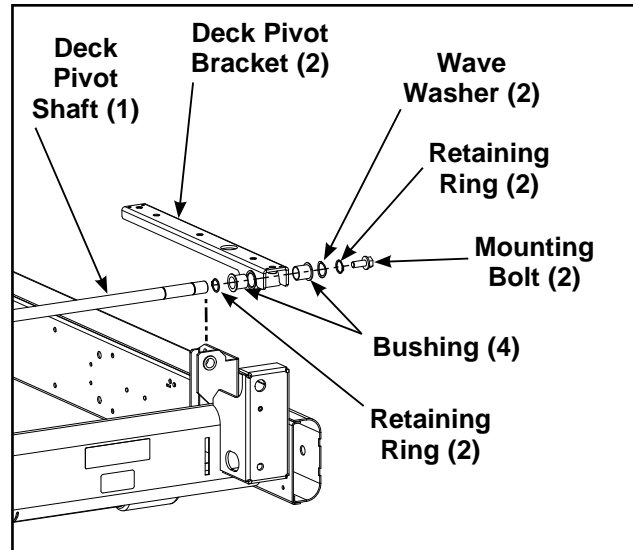


Figure 15

Drive Belt

12. Remove the drive belt.

- If you are changing the drive belt, slip the drive belt around the flywheel pulley and off the motor. See Figure 16.

Drive Motor

Tools Required

- Phillips screwdriver
- 1/2" Socket wrench with a 6" extension

13. Disconnect the motor cables.

- Locate the drive motor cables exiting the drive motor and connected to the motor controller.
- Disconnect the motor cables from the motor controller.

14. Remove Drive motor.

- Using a 1/2" Socket with a 6" extension remove the four mounting nuts and washers from the drive motor mounting brackets. See Figure 16.

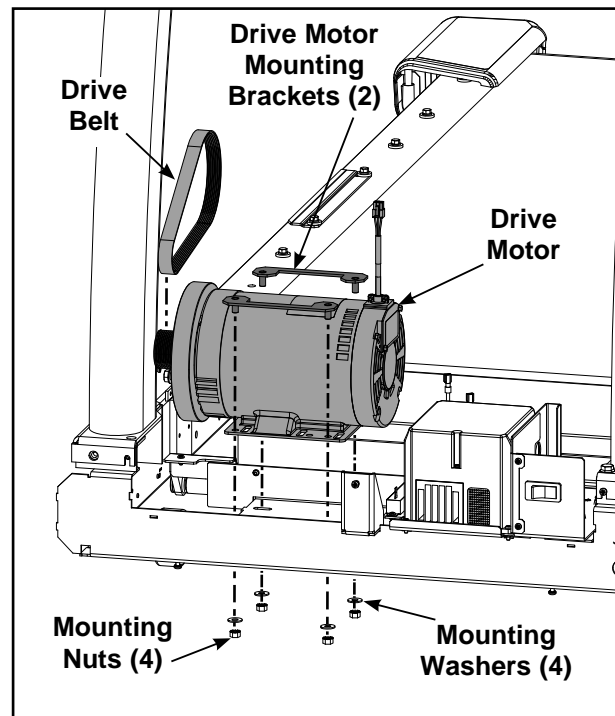


Figure 16



WARNING: Drive Motor is heavy, use care when lifting.

- B. Remove the drive motor mounting brackets and lift the drive motor up and out of the treadmill. See Figure 16.

15. Secure the drive motor.

- A. Place the drive motor in the correct position in the treadmill. See Figure 16.
- B. Install the drive motor mounting brackets. See Figure 16.
- C. Using a 1/2" Socket with a 6" extension install the four mounting nuts and washers to the drive motor mounting brackets. See Figure 16.

16. Secure the drive belt.

- A. Slide the drive belt into the grooves on the flywheel pulley.

17. Install the running belt.

- A. Place the running belt in position on the unit. **NOTE:** It doesn't matter which direction the running belt goes.

18. Secure the front roller.

- A. Slide the front roller into the running belt.
- B. Slide the new drive belt around the front roller before attaching the front roller.
- C. Ensure the two bolts that fasten the front roller to the frame are in place. Lower the front roller into the tensioning slots in the frame. See Figure 12. **NOTE:** Do not tighten the bolts at this time.
- D. Ensure that the drive belt is aligned properly in the grooves on the drive motor pulley and front roller pulley. The drive belt should be positioned in the inner most groove on the front roller pulley. See Figure 17.

19. Install the deck pivot assembly.

- A. Install the deck pivot brackets, bushings, wave washer and the retaining rings. See Figure 14.
- B. Using a 9/16" Socket wrench, install the two bolts securing the deck pivot shaft to the frame. See Figure 15. **NOTE:** Make sure the deck pivot brackets are installed correctly.

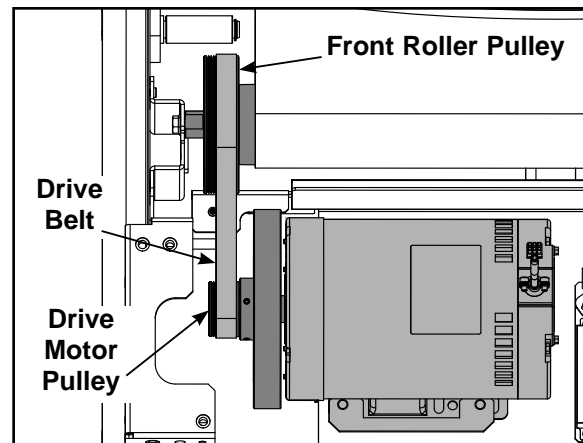


Figure 17

20. Secure the running deck.

- A. Place the deck in the correct position on the frame.
- B. Using a 7/16" Socket wrench, install and tighten the eight screws, eight split washers and eight flat washers that hold the deck in place. See Figure 13.

21. Secure the rear roller.

- A. Slide the rear roller into the running belt. See Figure 9.
- B. Install the bolt, washer, bushing and rear roller nut for each side of the roller into position. See Figure 11.
- C. Using a 3/4" Socket wrench, tighten the two rear roller bolts, washers, bushing and rear roller nut (one roller bolt on each side). **NOTE:** *Tighten each bolt evenly, making sure not to tighten either bolt too many turns before moving to the other bolt.* See Figure 11.
- D. Continue to tighten bolts until the front roller is all the way back in the tensioning slots. See Figure 12.
- E. Using a 7/16" Socket wrench fully tighten the front roller bolts. See Figure 12.

22. Secure the top platforms.

- A. Place each top step in position.
- B. Using a 3/16" Allen wrench, install and tighten the button head bolt, lock washer and flat washer at the front of the top platform. See Figure 10.
- C. Using a 7/16" Socket wrench, install and tighten the hex head bolt, lock washer and flat washer at the rear of the top platform. See Figure 10.
- D. Repeat steps 22A to 22C for the other side.

23. Secure the motor cover.

- A. Using a Phillips screwdriver, install the five screws securing the front motor cover. See Figure 9. **NOTE:** *The treadmill will need to be elevated or tipped on it's side to install the two lower screws. Do not fully tighten the top three screws.*
- B. Using a Phillips screwdriver, install the four screws securing each motor cover side (left and right). See Figure 8. **NOTE:** *Do not fully tighten the four screws.*
- C. Place the motor cover in position the treadmill by locating the tabs in the correct locations. See Figure 7. **NOTE:** *If motor cover does not fit properly, loosen the front and side cover screws as needed.*
- D. Using a Phillips screwdriver, fully tighten the seven screws on the front motor cover and each motor cover side (left and right). See Figure 7.

24. Install the end caps.

- A. Using a Phillips screwdriver, install the screw securing each of the lower inner caps to the lower outer caps. See Figure 6.
- B. Using a Phillips screwdriver, install the rear screw securing each of the lower outer caps to the frame. See Figure 5.
- C. Slide each top end cap into the keyhole slots and then towards the front of the treadmill.
- D. Using a Phillips screwdriver, install the screw securing each of the top end caps to the frame. See Figure 4.

25. Adjust the running belt tension and tracking.

- A. Follow the *Tension and Center the Belt* procedure located in the *Preventive Maintenance* chapter of this manual.

Motor Controller

NOTE: This procedure will cover the motor controller, power cord, on/off switch and line filter. Follow this procedure from step 1 even though the heading for some of these procedures will appear before the step where you remove that part.

Tools Required

- Phillips screwdriver
- ESD (Electro Static Discharge) grounding strap



WARNING: Disconnect the power cord before beginning this procedure. Keep wet items away from inside parts of the treadmill. Electrical shock could occur even if the treadmill is unplugged. Do not touch components near the motor controller. A charge can remain after unplugging the power cord and turning off the treadmill.

1. Disconnect the external power source.

- A. Turn the main power switch on the front to the off (O) position.
- B. Unplug the treadmill from the power outlet.

2. Remove the motor covers.

- A. Using a Phillips screwdriver, loosen the seven screws on the front motor cover and each motor cover side (left and right). See Figure 7.
- B. Lift the motor cover up and off the treadmill. The screws will stay in place. See Figure 7.
- C. Using a Phillips screwdriver, remove the four screws securing each motor cover side (left and right). See Figure 8.
- D. Using a Phillips screwdriver, remove the five screws securing the front motor cover. See Figure 9. **NOTE:** The treadmill will need to be elevated or tipped on it's side to remove the two lower screws.

NOTE: Wear an ESD strap for the rest of this procedure.

3. Disconnect the cables from the motor controller.

- A. Disconnect the cables from the motor controller. This includes: the power in (INPUT); display cable (COMM.); elevation cable (INCLINE); drive motor cable (OUTPUT) and resistor (DB). See Figure 18.

4. Remove the motor controller.

A. Using a Phillips screwdriver, remove the four screws that hold the motor controller board to the motor base plate. See Figure 19.

B. Remove the motor controller. **NOTE:** Cybex may want this part back for evaluation. Contact Cybex Customer Service at 888-462-9239.

5. Replace the motor controller.

A. Position the motor controller in place on the motor base plate.

B. Using a Phillips screwdriver, install the four screws that hold the motor controller to the motor base plate. See Figure 19.

6. Connect the cables to the motor controller.

A. Connect the cables to the motor controller. This includes: the power in (INPUT); display cable (COMM.); elevation cable (INCLINE); drive motor cable (OUTPUT) and resistor (DB). See Figure 18.

7. Secure the wires.

A. Check to see that all of the cables are connected firmly in their proper place.

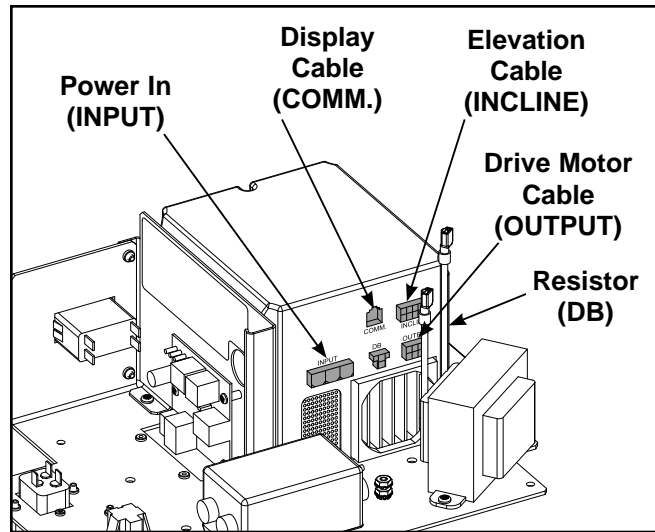


Figure 18

Power Cord

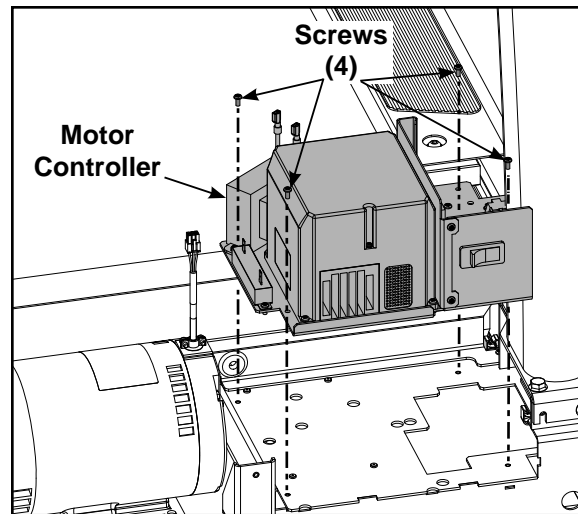


Figure 19

Tools Required

- Phillips screwdriver

8. Disconnect the external power source.

A. Turn the main power switch on the front to the off (O) position.

B. Unplug the treadmill from the power outlet.

9. Remove power cord.

NOTE: The treadmill will need to be elevated or tipped on it's side to remove the power cord.

A. Using a Phillips screwdriver, remove the two screws securing the power cord retainer bracket to the base. See Figure 20.

- B. Remove the power cord from the power cord inlet. See Figure 19.

10. Install the power cord.

- A. Insert the new power cord into the power cord inlet in the base plate. See Figure 20.

On/Off Switch

Tools Required

- Flat head screwdriver

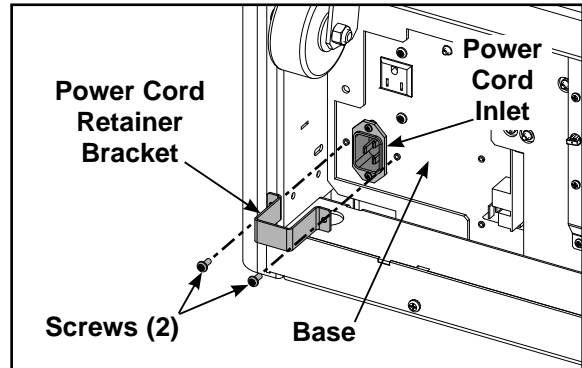


Figure 20

11. Remove the On/Off switch.

- A. Disconnect the four fast-on connectors that connect to the On/Off switch.
- B. Using a flat head screwdriver, press in the mounting tabs on both sides of the On/Off switch to remove it from the base plate. See Figure 21.

12. Install the On/Off switch.

NOTE: Position On/Off Switch with Off (0) towards the motor controller.

- A. Insert the new On/Off switch into the hole in the base plate.
- B. Connect the two white fast-on connectors the on/off switch as shown in Figure 21.
- C. Connect the two black fast-on connectors the on/off switch as shown in Figure 21.

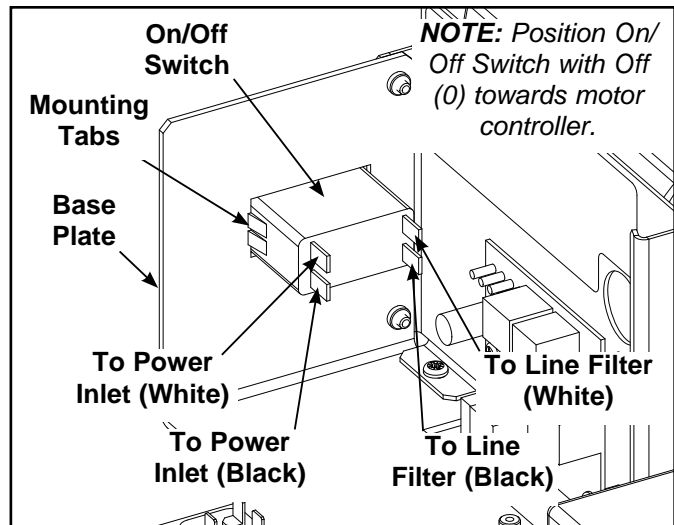


Figure 21

Line Filter

Tools Required

- Phillips screwdriver

13. Replace the line filter.

NOTE: Take notice of which cables are connected to the line filter.

- Disconnect the two fast-ons connectors that go from the line filter to the motor controller.
- Disconnect the two fast-ons connectors that go from the line filter to the On/Off switch.
- Using a Phillips screwdriver, remove the two screws that hold the line filter to the base plate. See Figure 22.
- Place the new line filter in position on the motor base plate.
- Using a Phillips screwdriver, secure the two screws that hold the line filter to the base plate. See Figure 22.

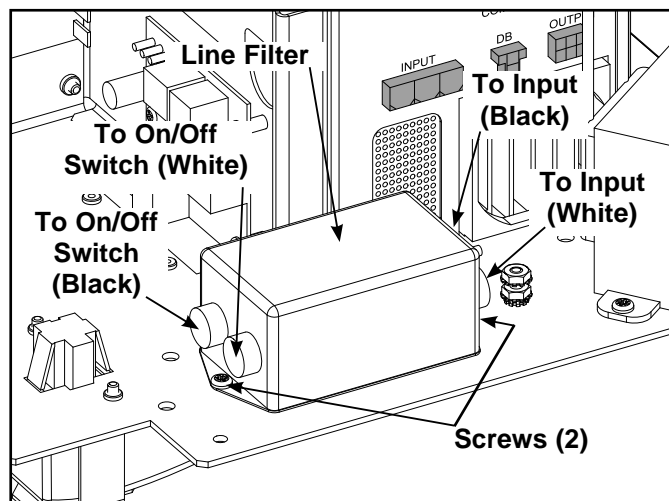


Figure 22

14. Connect the line filter cables.

- Connect the white cable from the On/Off switch to the terminal on the line filter. See Figure 22.
- Connect the black cable from the On/Off switch to the terminal on the line filter. See Figure 22.
- Connect the white cable from the motor controller input to the terminal on the line filter. See Figure 22.
- Connect the black cable from the motor controller input to the terminal on the line filter. See Figure 22.

15. Secure the motor cover.

- Using a Phillips screwdriver, install the five screws securing the front motor cover. See Figure 9. **NOTE:** The treadmill will need to be elevated or tipped on its side to install the two lower screws. Do not fully tighten the top three screws.
- Using a Phillips screwdriver, install the four screws securing each motor cover side (left and right). See Figure 8. **NOTE:** Do not fully tighten the four screws.
- Place the motor cover in position the treadmill by locating the tabs in the correct locations. See Figure 7. **NOTE:** If motor cover does not fit properly, loosen the front and side cover screws as needed.

- D. Using a Phillips screwdriver, fully tighten the seven screws on the front motor cover and each motor cover side (left and right). See Figure 7.

16. Test the unit for proper operation.

- A. Connect the treadmill to the power outlet.
- B. Operate the unit at all levels to verify proper operation.

Elevation Motor

Tools Required

- Phillips screwdriver
- 9/16" Open end wrench
- 9/16" Socket wrench



WARNING: *Disconnect the power cord before beginning this procedure. Keep wet items away from inside parts of the treadmill. Electrical shock could occur even if the treadmill is unplugged. A charge can remain after unplugging the power cord and turning off the treadmill..*

1. Disconnect the external power source.

- A. Unplug the treadmill from the power outlet.

2. Remove the motor cover.

- A. Using a Phillips screwdriver, loosen the seven screws on the front motor cover and each motor cover side (left and right). See Figure 7.
- B. Lift the motor cover up and off the treadmill. The screws will stay in place. See Figure 6.

3. Disconnect the elevation motor cable.

NOTE: *The treadmill will need to be elevated or tipped on it's side to remove the elevation motor.*

- A. Cut the wire ties and disconnect the elevation motor cable from the motor controller. See Figure 23.
- B. Pull the elevation motor cable out through the grommet in the frame. See Figure 23.

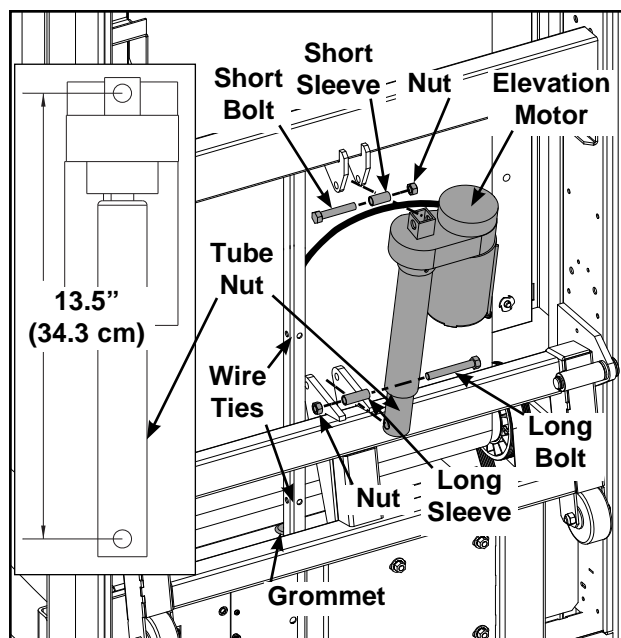


Figure 23

4. Remove the elevation motor.

- A. Using a 9/16" open end wrench and a 9/16" Socket wrench, remove the two bolts, nuts and sleeves on the elevation motor (one at the top and one at the bottom). **NOTE:** *Hold the motor while you remove the second bolt so that it doesn't fall.*
- B. Carefully lift and remove the elevation motor from the treadmill.

5. Calibrate the elevation motor.

- A. The switch should be at zero elevation before adjusting the tube nut. If necessary connect the elevation motor, bring the elevation up to 1% incline and then back down to 0%.
- B. Turn the tube nut with your fingers until it measures 13.5" (34.3 cm) from the center of the top hole to the center of the bottom hole. See Figure 23.

6. Secure the elevation motor.

- A. Carefully place the elevation motor in position on the treadmill. See Figure 23.
- B. Slide both bolts and sleeves into the slots and attached the hex nuts as shown in Figure 23.
- C. Using a 9/16" open end wrench and a 9/16" Socket wrench, securely tighten the nuts and two bolts.
- D. Route the elevation motor cable along the frame and through the grommet. See Figure 23.
- E. Tie the elevation cable with wire ties to the frame. See Figure 23.



CAUTION: *Always use proper lifting methods when moving heavy items.*

- F. Carefully lower the treadmill to the floor
- G. Plug the elevation motor cable into the motor controller.

7. Secure the motor cover.

- A. Place the motor cover in position on the treadmill by locating the tabs in the correct locations. See Figure 7. **NOTE:** *If motor cover does not fit properly, loosen the front and side cover screws as needed.*
- B. Using a Phillips screwdriver, fully tighten the seven screws on the front motor cover and each motor cover side (left and right). See Figure 7.

8. Test the elevation motor.

- A. Connect the main power cord into the power outlet.
- B. Start the treadmill in *Manual Mode* and raise the elevation to maximum.
- C. Lower the elevation to zero percent.
- D. Stop the treadmill and unplug the power cord from the outlet.

Upper and Lower Display Boards

NOTE: This procedure will cover the upper display board, lower display board, display overlay, contact heart rate grips, e-stop switch and display cable.

Tools Required

- Phillips screwdriver
- 11/16" Socket wrench
- ESD (Electro Static Discharge) grounding strap

1. Disconnect the external power source.

- A. Unplug the treadmill from the power outlet.

NOTE: The display board is susceptible to damage from a discharge of static electricity. While handling parts underneath the console cover use an ESD grounding strap. This eliminates the potential voltage (static) difference between you and the equipment you are working on. Wear an ESD strap for the rest of this procedure.

2. Remove the console assembly from the handrail.

- A. Using a Phillips screwdriver remove the nine screws securing the back cover to the console assembly. See Figure 24.
- B. Disconnect these cables from the lower display board: the upper to lower display cable, RJ-45 cable, handset board cable, display cable and the fan cable. See Figure 25.

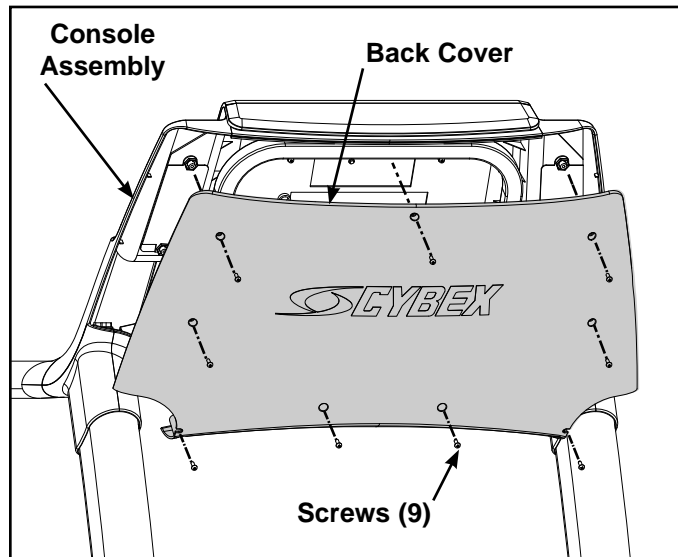


Figure 24

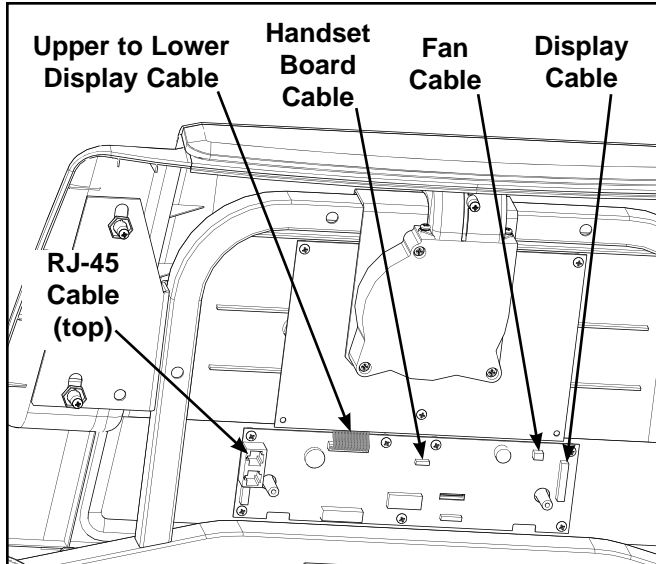


Figure 25

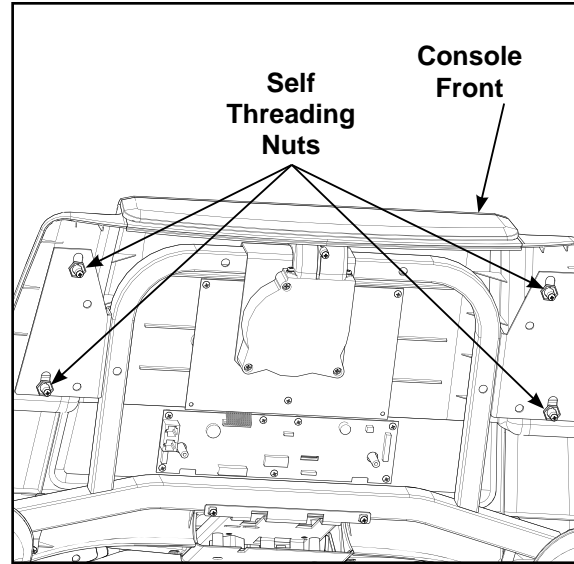


Figure 26

C. Using an 11/16" Socket wrench, remove the four self threading nuts front the console front. See Figure 26.

D. Remove the console front from the handrail frame.

3. Remove the upper display board.

A. Using a Phillips screwdriver, remove the three screws that hold the upper display board to the console front. See Figure 27.

B. Remove the upper display board.

4. Remove the lower display board.

A. Using a Phillips screwdriver, remove the seven screws that hold the lower display board to the console front. See Figure 27.

B. Gently flip the display board over and disconnect the the lower switch membrane.

C. Remove the lower display board.

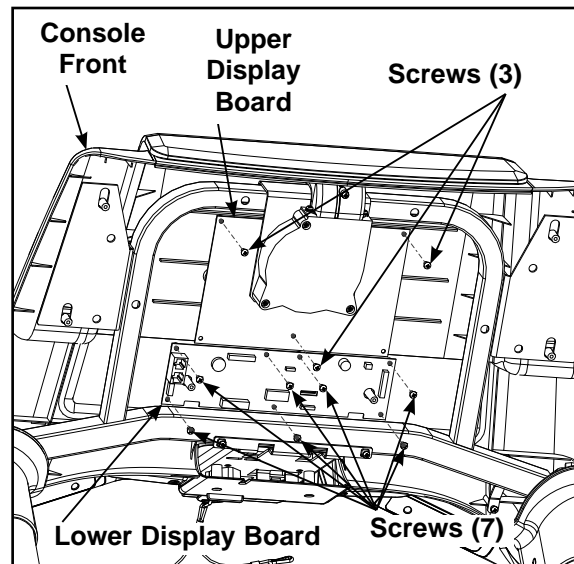


Figure 27

Display Overlay

Tools Required

- Razor blade

5. Remove the display overlay.

A. Use a razor blade to peel up a corner of the display overlay and pull off the overlay.

6. **Attach the display overlay.**

- A. Remove the paper backing from the new display overlay.
- B. Slide the ribbon cable through the slot.
- C. Carefully place the display overlay in position within the indentation on the console front and firmly rub the display overlay so that it adheres to the console.
- D. Connect the lower switch membrane to the display board.

7. **Attach the display boards.**

- A. Place the lower display board in position on the front console.
- B. Using a Phillips screwdriver, secure the seven screws that hold the lower display board to the console. See Figure 27.
- C. Place the upper display board in position on the front console.
- D. Using a Phillips screwdriver, secure the three screws that hold the upper display board to the console. See Figure 27

Contact Heart Rate Grips

Tools Required

- Phillips screwdriver
- Needle nose pliers

8. **Remove the heart rate grips.**

- A. Using a Phillips screwdriver, remove the two screws from the bottom grip. See Figure 28.
- B. Gently pull the top and bottom grip off of the handrail. See Figure 28.
- C. Using a needle nose pliers, carefully disconnect the heart rate wire from each grip.

9. **Install the heart rate grips.**

- A. Using the needle nose pliers, carefully connect the heart rate wire to each grip. **NOTE:** Ensure that the red heart rate wire is connected to the top grip and the black heart rate wire is connected to the bottom grip. See Figure 28.

- B. Place the top and bottom grip in the correct position on the handrail. See Figure 28.

- C. Using a Phillips screwdriver, remove the two screws from the bottom grip. See Figure 28.

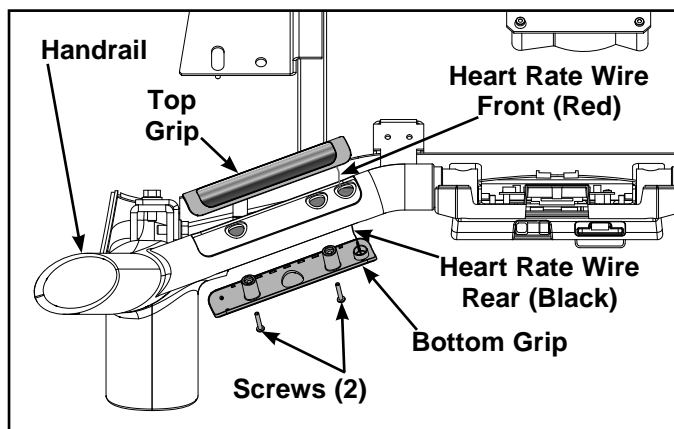


Figure 28

Stop switch

Tools Required

- Phillips screwdriver

10. Remove the e-stop switch.

- Pull the e-stop out of console and unclip the lanyard clip from storage tab on lower cover. See Figure 29.

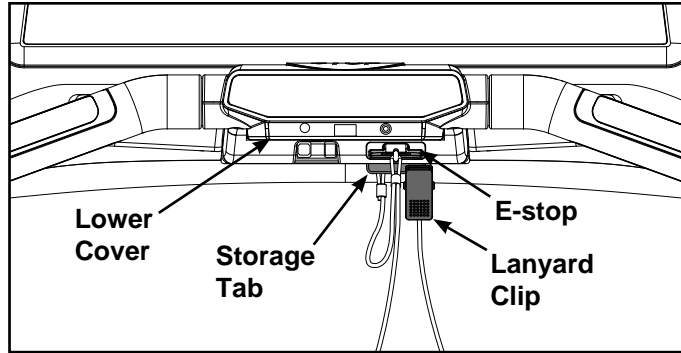


Figure 29

11. Remove handset assembly top.

NOTE: Wear an ESD strap for the rest of this procedure or touch the frame to discharge any static.

- Using a Phillips screwdriver, remove the two screws securing the lower cover to the lower handset cover. See Figure 30a (Non-AV units) or Figure 30b (AV units).

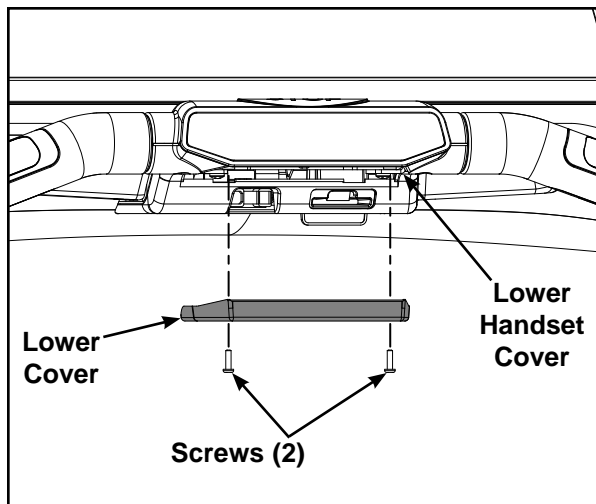


Figure 30a (Non-AV units)

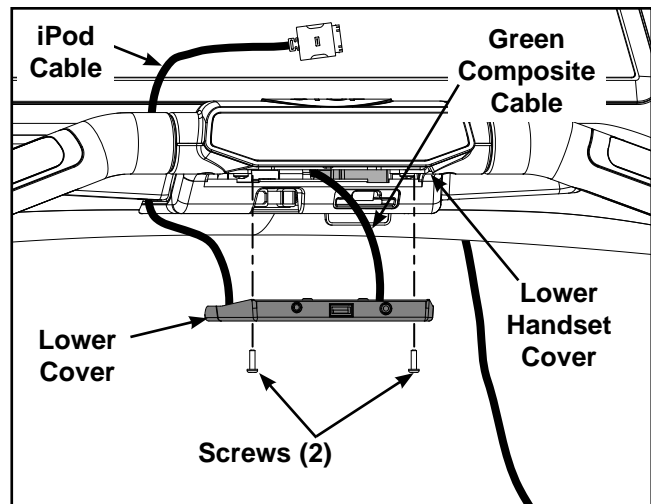


Figure 30b (AV units)

NOTE: For AV units unplug the iPod and green composite cables from the lower handset cover. See Figure 30b.

- Using a Phillips screwdriver, remove the four screws securing the lower handset cover to the upper handset cover. Set lower handset cover and screws aside. See Figure 31.

NOTE: Ribbon cables are connected between the upper handset cover and the handset. Non-AV units have one ribbon cable. AV units have two ribbon cables.

- Carefully lift up the upper handset cover and unplug the ribbon cable(s) from the handset board. See Figure 32.

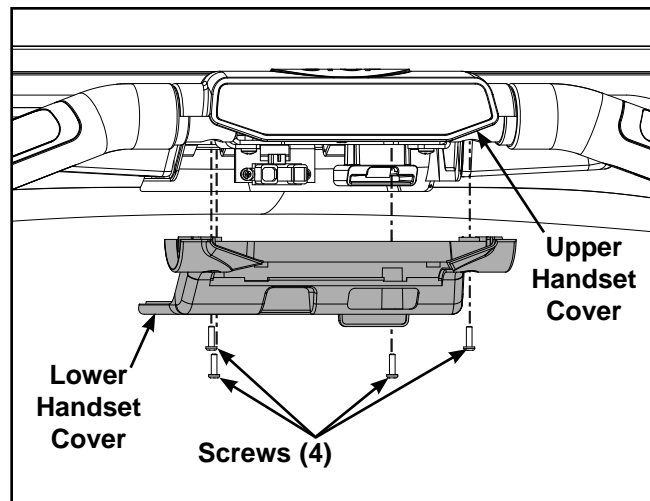


Figure 31

- D. Rotate the upper handset cover up and off handrail.

12. Install upper handset cover.

- A. Place the upper handset cover in position on handrail. See Figure 32.

NOTE: Do not pinch the contact heart rate cables when installing the handset assembly top and screws.

- B. Carefully insert the ribbon cable(s) into the handset board.
- C. Place the lower handset cover in position. See Figure 31.

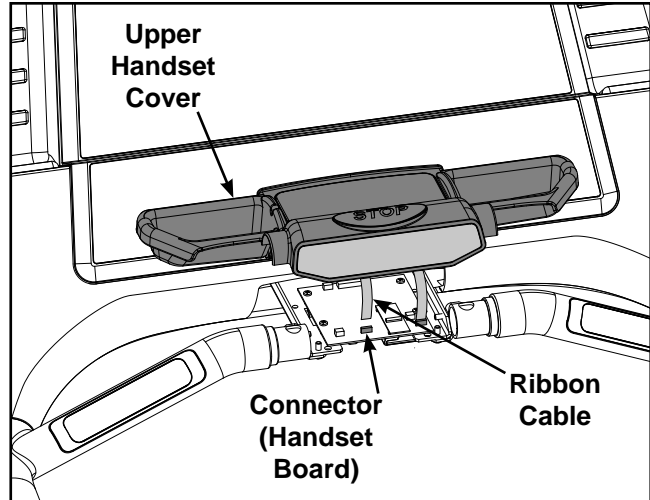


Figure 32

- D. Using a Phillips screwdriver, install four screws that secure lower handset cover to the upper handset cover. See Figure 31.

NOTE: For Non-AV units skip to step 14.

13. Install AV cables into lower cover.

- A. Plug the iPod cable into the left side of the lower cover. See Figure 33.
- B. Route the iPod cable through the notch in the lower cover. Ensure the second strain relief is used to expose cable to shortest length. See Figure 33.

NOTE: Ensure the iPod cable remains in the notch of the lower handset cover and the green composite cable is not pinched during the next step.

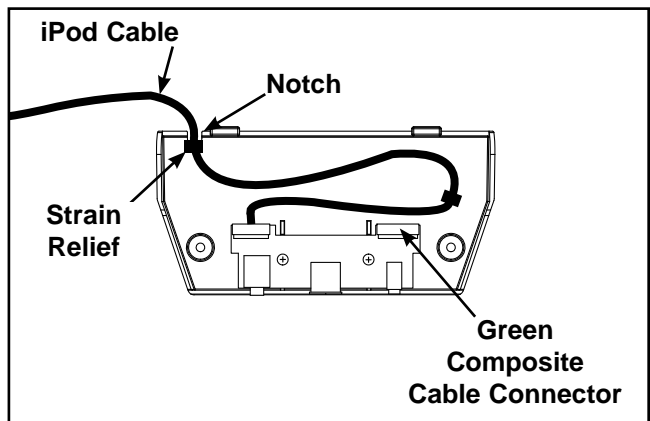


Figure 33

14. Install lower cover.

- A. Using a Phillips screwdriver, secure the lower cover to the lower handset cover using the two screws removed in step 10A. See Figure 30a (Non-AV units) or Figure 30b (AV units).

15. Install e-stop.

- A. Clip lanyard onto storage tab on lower cover and plug e-stop into console. See Figure 29.

Display Cable

Tools Required

- Wire cutters

16. Remove the display cable.

- Disconnect the display cable from the hub board connector J3 in the base. See Figure 34.
- Disconnect the display cable from the display board. See Figure 25.
- Pull the display cable out of the console upright.

17. Attach the new display cable.

- Push the new display cable down through the console upright and out the bottom hole.
- Plug the display cable into the hub board connector J3 in the base. See Figure 34.
- Plug the display cable into the display board. See Figure 25.

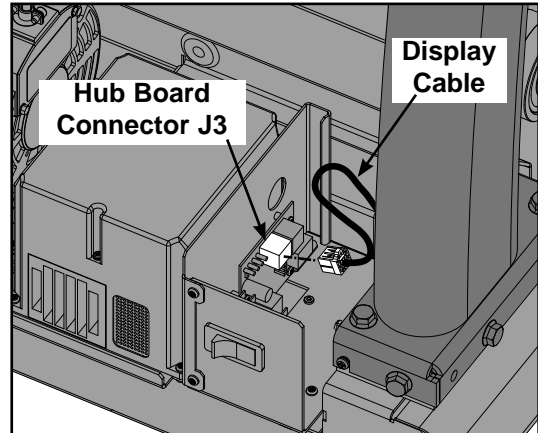


Figure 34

18. Connect the cables.

- Connect these cables to the display board: the upper to lower display cable, RJ-45 cable, handset board cable, display cable and the fan cable. See Figure 25.

19. Check the connections.

- Check to see that all of the cables are connected firmly in their proper place.

20. Install the console back to the upright assembly.

- Locate the back cover and nine screws.
- Place the back cover in the correct position on the console assembly. See Figure 23.
- Using a Phillips screwdriver, install the nine screws securing the back cover to the console assembly. See Figure 24.

21. Secure the motor cover.

- Place the motor cover in position the treadmill by locating the tabs in the correct locations. See Figure 7. **NOTE:** If motor cover does not fit properly, loosen the front and side cover screws as needed.

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B. Using a Phillips screwdriver, fully tighten the seven screws on the front motor cover and each motor cover side (left and right). See Figure 7.

22. Connect the external power source.

A. Plug the treadmill into the power outlet.

23. Test the unit for proper operation.

A. Operate the unit at all levels to verify proper operation.

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Parts List

ITEM	QTY.	PART NO.	DESCRIPTION	ITEM	QTY.	PART NO.	DESCRIPTION
1	2	AF-19988	NUT, ROLLER, REAR	56	2	HW-20089	WASHER, WAVE, .650 ID X .855"
2	2	AF-20052	BRACKET, MOTOR, MOUNTING	57	4	HW-53017	WASHER FLAT, 5/16", SS
3	2	AF-20206	CLAMP, LOWER, TOP STEP	58	7	HX-13771	RING, RETAINING, 5/8" 0.579 ID
4	1	AL-19740	ROLLER ASSY, FRONT	59	2	HX-19102	FOOT, RUBBER, REAR
5	1	AL-19741	ROLLER ASSY, REAR	60	2	HX-19991	BUMPER, SPRING DECK, 2.10 X 2.34 X 1"
6	2	AX-20035	ASSY, DECK PIVOT BRACKET	62	1	PL-20262	COVER, LEFT SIDE FRONT
7	1	AX-20094	ASSY, ELEVATION	63	1	PL-20263	COVER, RIGHT SIDE FRONT
8	1	AX-20383	ASSY, MOTOR COVER	64	1	PL-20264	COVER, FRONT
9	1	AX-20452	ASSY, END CAP, LEFT	65	1	PL-20265	COVER, REAR, FRAME OUTER, LEFT
10	1	AX-20453	ASSY, END CAP, RIGHT	66	1	PL-20266	COVER, REAR, FRAME INNER, LEFT
11	1	BD-19889	BELT, RUNNING, 21.88 X 61.75"	67	1	PL-20269	COVER, REAR, FRAME OUTER, RIGHT
12	1	BD-20049	BELT, DRIVE	68	1	PL-20270	COVER, REAR, FRAME INNER, RIGHT
15	1	DE-14486	DECAL SERIAL NUMBER	69	2	HS-41107	BOLT, 5/16 - 18 X 1.5", BTHD, SST
16	1	DE-18413	DECAL, ETL AND CSA	70	2	HW-00165	WASHER, SPLIT LOCK 5/16"
17	2	DE-19360	DECAL, CYBEX, BLACK	74	2	EH-20254	CLIP, WIRE RETAINER, .24-.47", DIA., 105THK
18	2	DE-20392	DECAL, 750T, BLACK	75	1	HX-20248	GROMMET, RUBBER, 1.12"DIA
19	2	DE-20393	DECAL, 750T, SILVER	76	2	EH-20244	CLIP, WIRE RETAINER, .24-.47"DIA
20	1	DE-20427	DECAL, DISCONNECT POWER	77	1	DE-19198	DECAL, CYBEX
21	1	DK-20024	DECK, RUNNING, 29.00 X 53.5"	81	1	AF-20842	BRACKET, MOTOR COVER
23	4	EH-10291	TY WRAP BASE	82	1	HS-11976	SCREW, SEMS, 10-32 X .38"
24	2	FM-20096	PIN, ELEVATION PIVOT	83	1	HX-20843	BUMPER, MOTOR COVER
25	1	FM-20099	MOUNTING SHAFT, ELEVATION MOTOR	84	1	HN-60064	NUT, JAM, 3/8 - 16", BLACK ZN
26	4	FS-16511	PLATE, REAR RUBBER FOOT MOUNT	85	1	HS-60022	BOLT, 3/8 X 2.25", HXHD, CAP, BLK
27	2	FS-20031	PLATE, RETAINER, UPPER, TOP STEP	86	1	CW-22240	WHEEL, 80MM DIA X 32MM W
28	1	FS-20109	SHIELD, SPLASH	87	2	HX-22247	BUSHING, SPANNER, 500 OD X 1.5"L
29	1	FT-16825	SLEEVE, ELEVATION MOUNTING, TOP	89	2	HS-22137	BOLT, 1/4-14 x 1.25", HXHD WSHR, TYP
30	1	FT-16826	SLEEVE, ELEVATION MOUNTING, BOTTOM	90	2	PL-22129	BRACKET, POWER CORD STORAGE, PLASTIC
31	2	HB-16367	BUSHING .50 ID X .62 OD X .31"	91	5	EH-00986	TY WRAP 9"
32	2	HB-20097	BEARING, FLANGE, BRONZE	92	1	DE-22327	LABEL, BLACK, INTELLIGENT SUSPENSION 3
33	2	HB-20098	BEARING, THRUST, BRONZE	92	1	DE-22328	LABEL, SILVER, INTELLIGENT SUSPENSION 3
34	4	HN-11136	KEPS 5/16" HEX STL ZINC	101	1	MR-22239	ASSY, MOTOR, TREADMILL, AC DRIVE
35	2	HN-17935	NUT LOCK, 3/8 - 24	102	1	AX-20235	SUB ASSY, 110 VAC CONTROLLER
36	2	HN-20041	NUT, 1/4 - 20 PROPELLER	102	1	AX-20236	SUB ASSY, 220 VAC CONTROLLER
37	2	HN-20693	NUT, TEE, 5/16 - 18, 1-2" BARREL	102	1	AX-20237	SUB ASSY, 230 VAC, 50HZ CONTROLLER
38	4	HS-00700	SCREW, 8-32 X 0.50", PNHD PHIL	103	1	MR-19992	MOTOR, ELEVATION, 115 VAC, 60 HZ
39	17	HS-11977	SCREW SEMS, 8-32 X .38, PNHD PHIL	103	1	MR-19993	MOTOR, ELEVATION, 230 VAC, 50-60 HZ
40	12	HS-12295	BOLT, 1/4 - 20 X 1.75", HXHD, G5	111	1	KAD-22221	PCA, CNTRL, GOLD, 115 VAC
41	2	HS-15480	BOLT TAP, 1/2 - 13 X 6, HXHD, G5	111	1	KAD-22431	PCA, CNTRL, TIN, 230 VAC
42	9	HS-15706	SCREW, 8-16 X .50", PNHD, STL, BLK ZN	111	1	KAD-22223	PCA, CNTRL, GOLD, 230 VAC, 50 HZ
43	8	HS-16509	SCREW SLFTP, 10 X .5", PNHD, PLT, TYP	112	1	AD-21879	PCA, HUB BOARD
44	8	HS-16929	BOLT WHIZ LOCK, 3/8 - 16 X .625", HXHD	113	1	AF-20123	PLATE, SWITCHES
45	4	HS-16939	SCREW SEMS, 10-32 X .75, PNHD, BLK	114	1	AF-20234	BRACKET, CONTROLLER, PCB
46	1	HS-17936	BOLT, 3/8 - 24 X 2.0", HXHD CAP	115	1	AW-19404	CABLE, CAT5, RJ45 FLAT PATCH 12"
47	1	HS-17937	BOLT, 3/8 - 24 X 2.75", HXHD CAP				
48	2	HS-18358	BOLT, 5/16 - 18 X 1.25", SCHD CAP				
49	8	HS-19108	SCREW 5/16 - 18 X 3/4", HXHD				
51	12	HW-00180	WASHER, SPLIT LOCK 1/4", SST				
52	2	HW-00590	BUSHING, NYLON, 1/2"				
53	2	HW-10028	WASHER, 1/2"				
54	14	HW-18123	WASHER, .344 ID X .75 OD X .125"				
55	2	HW-20044	WASHER, BELLEVILLE, 15 X 8.2 X 1.0 mm				

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ITEM	QTY.	PART NO.	DESCRIPTION	ITEM	QTY.	PART NO.	DESCRIPTION
116	1	AW-20289	WIRE, INLET TO SWITCH FILTER JUMPER	323	4	HS-41006	SCREW, SLFTP, 10-24 X .5, PNHD, PHIL
117	1	AW-20290	WIRE, SWITCH TO FILTER JUMPER	324	15	HS-41187	SCREW, SLFTP, 8-16 X .3125", PLASTITE
118	1	AW-20291	WIRE, INLET TO GROUND JUMPER, GREEN	325	2	HX-20360	INSERT, EXPANSION, PLASTIC, #8 - #1
119	1	AW-22177	CABLE, MOTOR CONTROLLER	326	1	PL-20143	HOUSING, E-STOP
120	1	AW-20442	WIRE, FILTER TO OUTLET JUMPER, BLACK	328	1	PL-20210	CONSOLE, BACK PANEL
121	1	AW-20443	WIRE, FILTER TO OUTLET JUMPER, WHITE	329	1	PL-20211	CONSOLE, JUNCTION COVER, INNER, LEFT
122	1	AW-20444	WIRE, OUTLET, GROUND JUMPER, GREEN	330	1	PL-20218	DUCT, FAN, RIGHT
123	1	AW-20446	WIRE, INLET TO SWITCH JUMPER, BLACK	331	1	PL-20274	ISOLATOR, WATER, BOTTLE, LEFT
124	1	AW-20447	WIRE, INLET TO SWITCH JUMPER, WHITE	332	1	PL-20275	ISOLATOR, WATER, BOTTLE, RIGHT
125	1	CN-20252	PLUG, NEMA 5-15R	333	1	PL-20340	DUCT, FAN, LEFT
126	1	DE-20558	LABEL, HUB BOARD	334	1	PL-20355	COVER, JUNCTION, CONSOLE, OUTER, LEFT
127	1	EC-18896	FILTER, 16A	335	1	PL-20356	COVER, JUNCTION, CONSOLE, INNER, RIGHT
128	1	EH-12208	INLET, IEC, 320 16-20 AMP	336	1	PL-20357	COVER, JUNCTION, CONSOLE, OUTER, RIGHT
130	1	FS-20232	BRACKET, POWER CORD RETAINER	337	1	PL-20550	CONSOLE, FRONT
131	2	HN-11925	KEPS, 10-32, HEX, STL, ZN	338	1	SW-21183-X*	MEMBRANE, 750T, KEYBOARD
132	2	HS-10405	SCREW, 4-40 X .25",PNHD PHIL	345	1	PL-20549-X*	BUTTON, STOP, MOLDED
134	4	HS-15732	SCREW, SEMS, 8-32 UNC X .62", PNHD, PHIL	346	1	AX-20513	SWITCH, BUTTON, STOP
135	1	HW-10856	WASHER, LOCK, EXTERNAL, NO. 10	347	4	HS-20553	SCREW, 4 X 3/8", SLFTP, PNHD, PHIL, ZN, PLASTITE
136	1	RE-20242	RESISTOR, TM5, DYNAMIC BRAKE	350	1	DE-20735-X*	LABEL, WARNING, CONSOLE
137	1	SW-19666	SWITCH, CIRCUIT BREAKER, 15 AMP, 240 VAC	351	2	KHX-21337	BOTTLE STABILIZER
137	1	SW-19667	SWITCH, CIRCUIT BREAKER, 20 AMP, 240 VAC	352	1	DE-21596	LABEL, AV BLANK, 750T
200	1	AF-19890	WELDMENT, FRAME	352	1	SW-20813-X*	MEMBRANE,AV KEYPAD
201	1	AF-19921	WELDMENT, UPRIGHT, LEFT	353	1	KAD-21926	PCA,PEM JACK BOARD
202	1	AF-19922	WELDMENT, UPRIGHT, RIGHT	354	1	AF-21482	BRACKET,AV,LOWER,750T
203	1	AX-20331	ASSY, TOP PLATFORM, LEFT	355	1	KAF-21910	WELDMENT,AV,750T
204	1	AX-20332	ASSY, TOP PLATFORM, RIGHT	356	1	AX-21798-X*	ASSY,HANDSET, TOP W-TABS
205	2	DE-20305	DECAL, SAFETY WALK	357	6	HN-21072	PEM MOUNTING NUT
300	1	AC-21401-X*	ASSY, CONSOLE, 751T, AMBER LED	358	2	HS-11347	BOLT,1-4-20X0.75,SCHD BTN,BLK
302	1	AF-21761	WELDMENT, CONSOLE	359	2	HS-12083	BOLT LCK,1-4-20X.625
303	1	AW-19694	CABLE, HANDSET TO DISPLAY	360	2	HS-13739	BOLT LCK,1-4-20X1.25,G5
304	1	AW-20170	CABLE, MOTION SENSOR	362	1	PL-21792	COVER,HANDSET BOTTOM
305	1	AW-20239	CABLE, 750T CONSOLE	363	1	PL-21793	COVER,HANDSET AV MODULE
306	1	AX-19936	ASSY, HANDRAIL, LEFT	364	1	PL-21794	COVER,HANDSET NON AV MODULE
307	1	AX-19941	ASSY, HANDRAIL, RIGHT	365	1	KAW-20820	KIT,C-HR REPLACEMENT CONTACT GRIPS WITH CONNECTOR WIRES
309	1	AX-20552	ASSY, E-STOP KEY	400	1	AD-21736	PCA, HANDSET, UNIVERSAL
311	1	DE-20364	DIFFUSER, DISC, 0.6" OD	401	1	AF-20137	BRACKET, A/V POWER SUPPLY
312	1	DE-21184	DECAL, 751T, CONSOLE, TOP, AMBER LED, LANGUAGES	403	1	AW-21489	CABLE,CAT5E 24" PATCH,BLUE
312	1	DE-21184-4	DECAL, 751T, CONSOLE, TOP, AMBER LED, ENGLISH	404	1	AW-20241	POWER CORD, IEC NEMA 5-15, SHORT FOR A/V
313	1	EC-19706	FAN, 12 VDC, 120 X 120MM	406	1	AW-21499	CABLE,LOCKING RF and DC POWER CABLE,2795MM
314	1	EC-19974	SENSOR, IR MOTION	408	1	CP-21072	MONITOR,13.3", ATSC, NTSC, PEM
315	4	HN-20362	NUT, SELF THREADING, 3/8 X 1 1/16", ST	409	1	FS-20300	STRAP, A/V POWER SUPPLY
316	2	HS-10716	SCREW, 4-40 X 0.38", PNHD, PHIL	416	1	PL-20278	CONSOLE TOP W/O A/V
317	4	HS-14391	SCREW, 6-32 X .38, PNHD, PHIL	418	1	TR-21881	POWER SUPPLY,12V FAN LOCKING DC
319	8	HS-18320	SCREW, 6-19 X 1-2", PNHD, PHIL	419	1	FS-20233	BRACKET, FAN POWER SUPPLY
321	2	HS-20367	SCREW, SEMS, M4 X 10 mm, PNHD, PHIL	422	1	CP-21073	RETAINER
322	3	HS-20399	SCREW, SEMS, 8-32 X 1.25", PNHD, PHIL	423	1	PL-21178	MONITOR,13.3", DVB-T, SECAM, PAL, PEM
							CONSOLE, TOP, A/V, 751T

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ITEM QTY.	PART NO.	DESCRIPTION
424	1 HS-11894	SCREW SEMS, 6/32 X .25", PNHD PHIL
434	1 AW-20892	CABLE, COMP AV JACK BOARD, GREEN
435	1 AW-20841	CABLE,IPOD
436	1 DE-22190	LABEL,NIKE+ IPOD
500	2 HS-00293	BOLT, 5/16 - 18 X 2.0", HXHD
500	2 HS-41050	BOLT, 5/16-18 x 2.25", HXHD, G5
501	2 HW-00189	WASHER, FLAT, 5/16"
502	4 HN-42063	NUT, 5/16-18, FLANGED, SS BO
503	9 HS-18311	SCREW, 8-16 X .75", PNHD PHIL, STL
504	2 HS-20361	SCREW, SLFTP, 8-16 X 2.5", PLASTITE
551	1 KAX-22598-X*	KIT,751T SPLIT DISPLAY W ENUNCIATOR
554	1 AD-22403	PCA,751T SPLIT DISPLAY MCC
554	1 AD-22509	PCA,751T SPLIT DISPLAY IFI MCC
555	1 AW-21281	CABLE, DISPLAY UPPER TO LOWER
NS	1 AW-20280	POWER CORD, 115 VAC, 20A, 60HZ
NS	1 AW-20281	POWER CORD, 220 VAC, 15A, 60HZ
NS	1 AW-20282	POWER CORD, 230 VAC, 16A, 50HZ
NS	1 AW-20283	POWER CORD, UK, 230 VAC, 13A, 50HZ
NS	1 AW-22228	POWER CORD, DANISH, 230 VAC, 13A, 50HZ, IEC320
NS	1 AW-21882	CABLE,ADAPTER,LOCKING DC 2.1mm
NS	1 AX-20454	KIT, INSTALL HARDWARE
NS	1 KMR-20818	KIT,FAN REPLACEMENT,PCB MOTOR CONTROLLER
NS	1 LT-03051	SIGN, FACILITY SAFETY
NS	1 LT-20404	POSTER, INSTALL
NS	1 LT-20405	WARRANTY SHEET
NS	1 LT-20406-X*	OWNER'S MANUAL, 750T/751T

NOTE: NS = Not Shown

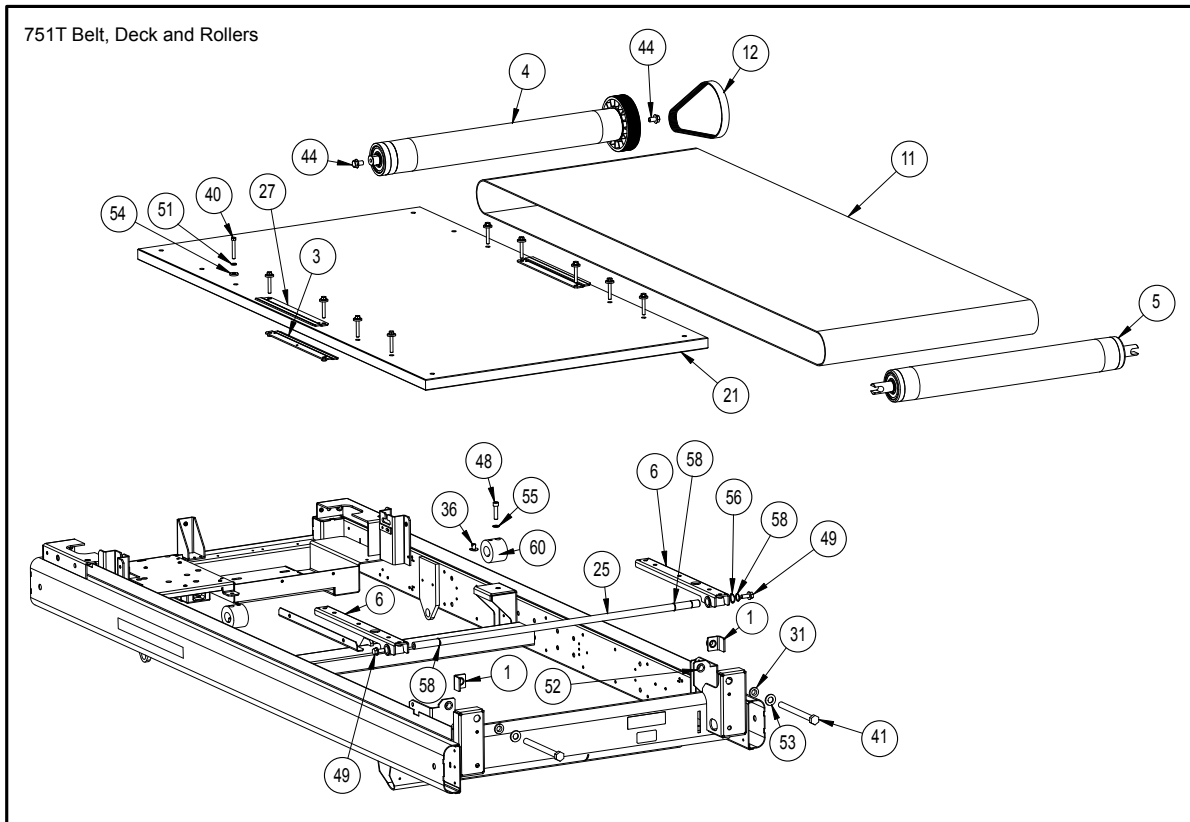
***Language Key**

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 8-Russian
 A-Danish

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Appendix B – Exploded Views

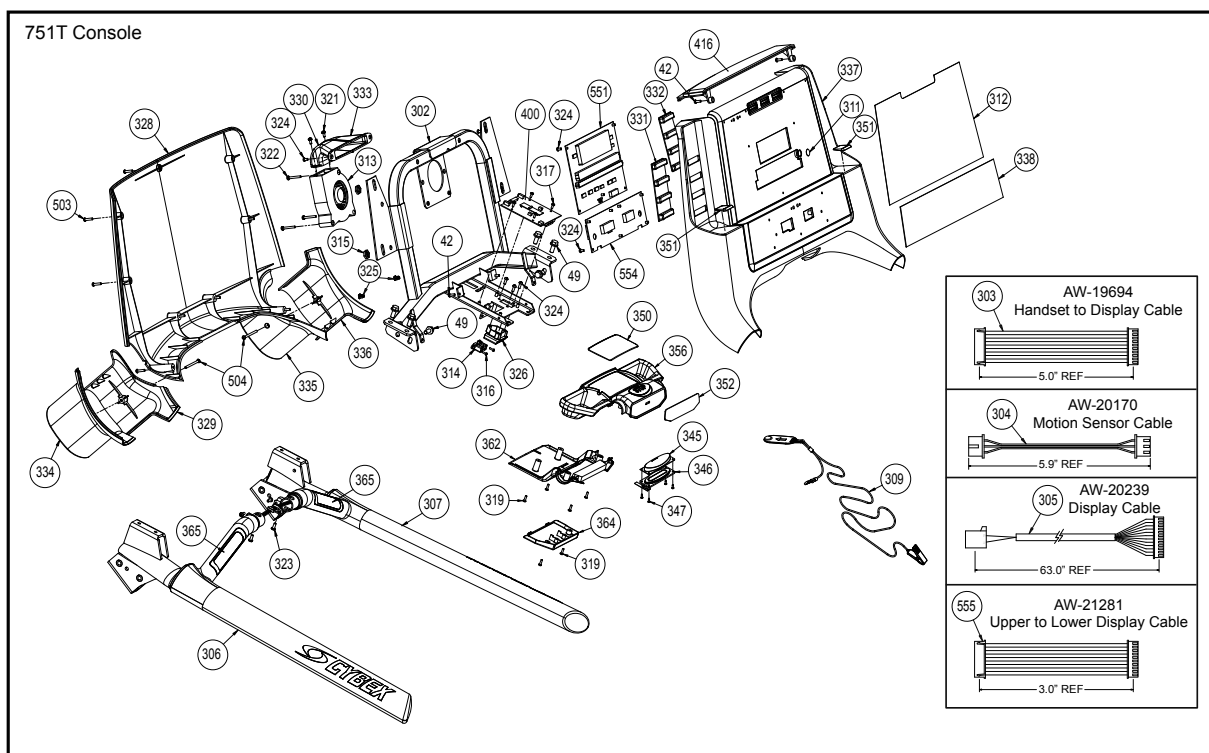
ITEM QTY.	PART NO.	DESCRIPTION	ITEM QTY.	PART NO.	DESCRIPTION
1	AF-19988	NUT, ROLLER, REAR	47	HS-17937	BOLT, 3/8 - 24 X 2.75", HXHD CAP
3	AF-20206	CLAMP, LOWER, TOP STEP	48	HS-18358	BOLT, 5/16 - 18 X .125", SCHD CAP
4	AL-19740	ROLLER ASSY, FRONT	49	HS-19108	SCREW 5/16 - 18 X 3/4", HXHD
5	AL-19741	ROLLER ASSY, REAR	51	HW-00180	WASHER, SPLIT LOCK 1/4"
6	AX-20035	ASSY, DECK PIVOT BRACKET	52	HW-00590	BUSHING, NYLON, 1/2"
11	BD-19889	BELT, RUNNING, 21.88 X 61.75"	53	HW-10028	WASHER, 1/2"
12	BD-20049	BELT, DRIVE	54	HW-18123	WASHER, .344 ID X .75 OD X .125"
21	DK-20024	DECK, RUNNING, 29.00 X 53.5"	55	HW-20044	WASHER, BELLEVILLE, 15 X 8.2 X 1.0 mm
25	FM-20099	MOUNTING SHAFT, ELEVATION MOTOR	56	HW-20089	WASHER, WAVE, .650 ID X .855"
27	FS-20031	PLATE, RETAINER, UPPER, TOP STEP	58	HX-13771	RING, RETAINING, 5/8" 0.579 ID
31	HB-16367	BUSHING .50 ID X .62 OD X .31"	60	HX-19991	BUMPER, SPRING DECK, 2.10 X 2.34 X 1"
36	HN-20041	NUT, 1/4 - 20 PROPELLER			
40	HS-12295	BOLT, 1/4 - 20 X 1.75", HXHD, G5			
41	HS-15480	BOLT TAP, 1/2 - 13 X 6, HXHD			
44	HS-16929	BOLT WHIZ LOCK, 3/8 - 16 X .625", HXHD			



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ITEM QTY.	PART NO.	DESCRIPTION	ITEM QTY.	PART NO.	DESCRIPTION
42	9	HS-15706	330	1	PL-20218
		SCREW, 8-16 X .50", PNHD, STL, BLK ZN	331	1	PL-20274
49	8	HS-19108	332	1	PL-20275
302	1	AF-21761	333	1	PL-20340
303	1	AW-19694	334	1	PL-20355
304	1	AW-20170			COVER, JUNCTION, CONSOLE, OUTER, LEFT
305	1	AW-20239	335	1	PL-20356
306	1	AX-19936			COVER, JUNCTION, CONSOLE, INNER, RIGHT
307	1	AX-19941	336	1	PL-20357
309	1	AX-20552			COVER, JUNCTION, CONSOLE, OUTER, RIGHT
311	1	DE-20364	337	1	PL-20550
312	1	DE-21184	338	1	SW-21183-X*
		DECAL, 751T, CONSOLE, TOP, AMBER LED, LANGUAGES	345	1	PL-20549-X*
312	1	DE-21184-4	346	1	AX-20513
		DECAL, 751T, CONSOLE, TOP, AMBER LED, ENGLISH	347	4	HS-20553
313	1	EC-19706			SCREW, 4 X 3/8", SLFTP, PNHD, PHIL, ZN, PLASTITE
314	1	EC-19974	350	1	DE-20735-X*
315	4	HN-20362	351	2	KHX-21337
		NUT, SELF THREADING, 3/8 X 11/16", ST	352	1	DE-21596
316	2	HS-10716	352	1	SW-20813-X*
		SCREW, 4-40 X 0.38", PNHD, PHIL	356	1	AX-21798-X
317	4	HS-14391	356	1	AX-21798-X
319	8	HS-18320	362	1	PL-21792
321	2	HS-20367	364	1	PL-21794
		SCREW, SEMS, M4 X 10 mm, PNHD, PHIL	365	1	KAW-20820
322	3	HS-20399	400	1	AD-21736
		SCREW, SEMS, 8-32 X 1.25", PNHD, PHIL	416	1	PL-20278
323	4	HS-41006	503	9	HS-18311
		SCREW, SLFTP, 10-24 X .5, PNHD, PHIL			SCREW, 8-16 X .75", PNHD PHIL, STL
324	15	HS-41187	504	2	HS-20361
		SCREW, SLFTP, 8-16 X .3125", PLASTITE			SCREW, SLFTP, 8-16 X 2.5", PLASTITE
325	2	HX-20360	551	1	KAX-22598-4
		INSERT, EXPANSION, PLASTIC, #8 - #1	554	1	AD-22403
326	1	PL-20143	554	1	AD-22509
328	1	PL-20210	555	1	AW-21281
329	1	PL-20211			CABLE, DISPLAY UPPER TO LOWER
		CONSOLE, BACK PANEL			
		CONSOLE, JUNCTION COVER, INNER, LEFT			

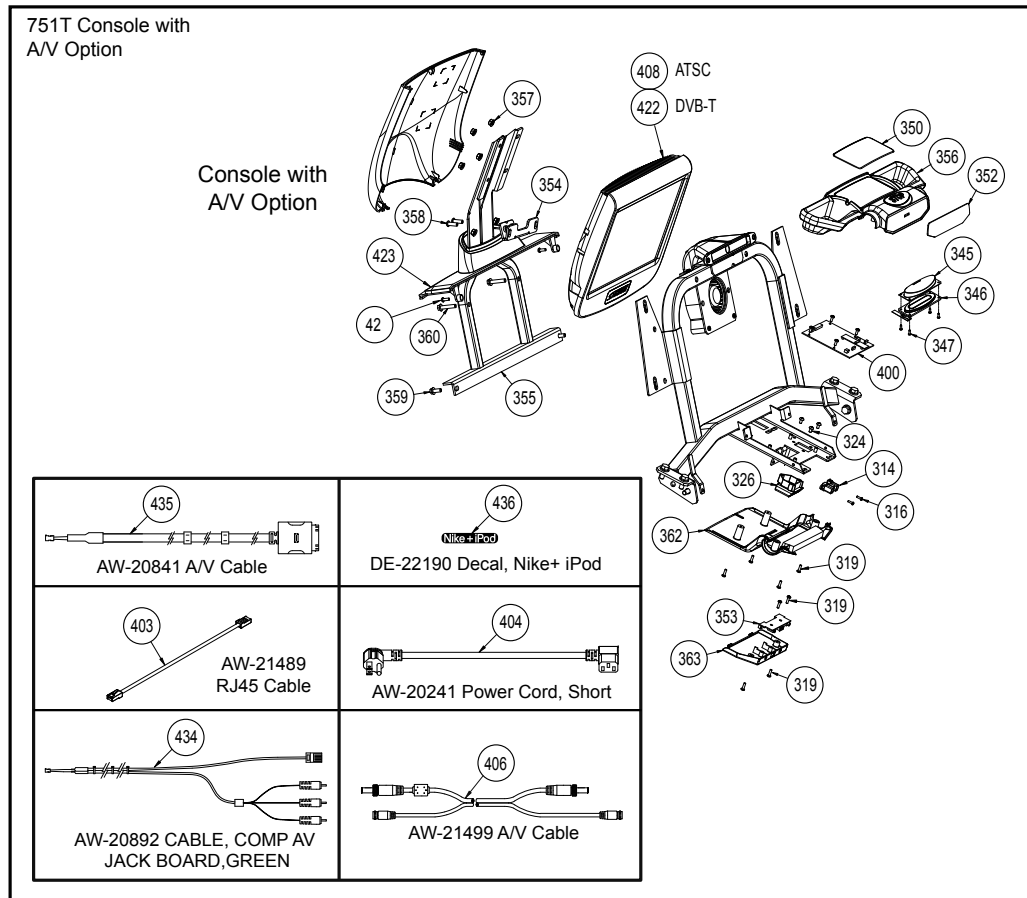
*Language Key
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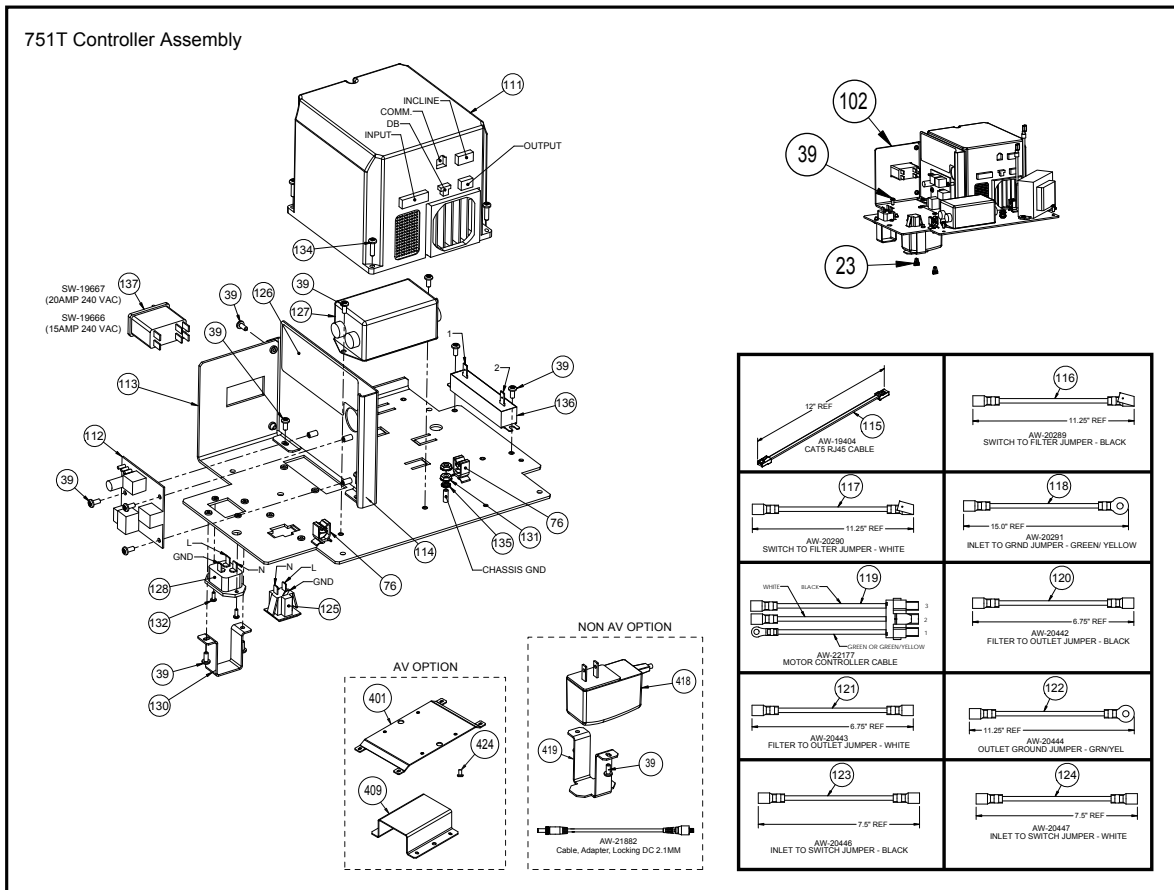
ITEM QTY.	PART NO.	DESCRIPTION	ITEM QTY.	PART NO.	DESCRIPTION
42	9	HS-15706	358	2	HS-11347
		SCREW, 8-16 X .50", PNHD, STL, BLK ZN	359	2	HS-12083
314	1	EC-19974	360	2	HS-13739
316	2	HS-10716	362	1	PL-21792
		SCREW, 4-40 X 0.38", PNHD, PHIL	363	1	PL-21793
319	8	HS-18320	400	1	AD-21736
324	15	HS-41187	403	1	AW-21489
		SCREW, SLFTP, 8-16 X .3125", PLASTITE	404	1	AW-20241
326	1	PL-20143			POWER CORD, IEC NEMA 5-15, SHORT FOR A/V
345	1	PL-20549-X*	406	1	AW-21499
346	1	AX-20513			CABLE, LOCKING RF and DC POWER CABLE, 2795MM
347	4	HS-20553	408	1	CP-21072
		SCREW, 4 X 3/8", SLFTP, PNHD, PHIL, ZN, PLASTITE	422	1	CP-21073
350	1	DE-20735-X*	423	1	PL-21178
352	1	SW-20813-X*	434	1	AW-20892
353	1	KAD-21926			MONITOR, 13.3", ATSC, NTSC, PEM
354	1	AF-21482			MONITOR, 13.3", DVB-T, SECAM, PAL, PEM
355	1	KAF-21910	435	1	AW-20841
356	1	AX-21798-X*	436	1	DE-22190
357	6	HN-21072			CABLE, IPOD
		PEM MOUNTING NUT			LABEL, NIKE+ IPOD

*Language Key
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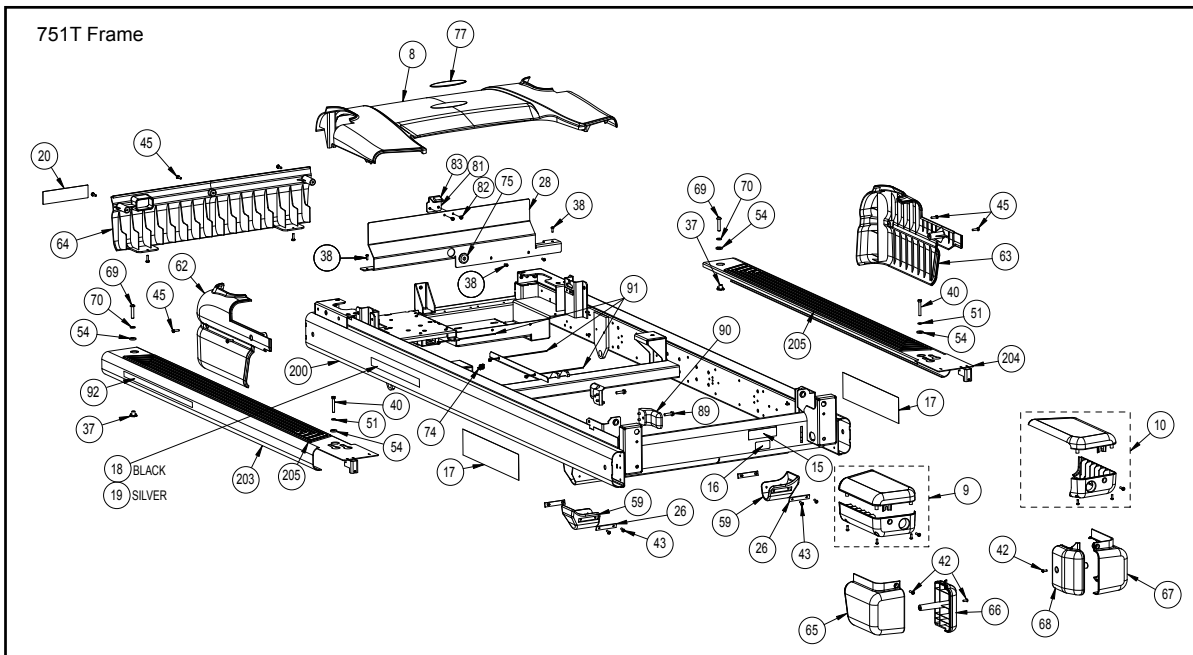
Cybex 750T Treadmill Service Manual

ITEM QTY.	PART NO.	DESCRIPTION	ITEM QTY.	PART NO.	DESCRIPTION		
23	4	EH-10291	TY WRAP BASE	122	1	AW-20444	WIRE, OUTLET, GROUND JUMPER, GREEN
39	17	HS-11977	SCREW SEMS, 8-32 X .38, PNHD PHIL	123	1	AW-20446	WIRE, INLET TO SWITCH JUMPER, BLACK
76	2	EH-20244	CLIP, WIRE RETAINER, .24-.47"DIA	124	1	AW-20447	WIRE, INLET TO SWITCH JUMPER, WHITE
102	1	AX-20235	SUB ASSY, 110 VAC CONTROLLER	125	1	CN-20252	PLUG, NEMA 5-15R
102	1	AX-20236	SUB ASSY, 220 VAC CONTROLLER	126	1	DE-20558	LABEL, HUB BOARD
102	1	AX-20237	SUB ASSY, 230 VAC, 50HZ CONTROLLER	127	1	EC-18896	FILTER, 16A
111	1	KAD-22221	PCA, CONTROLLER, 115 VAC	128	1	EH-12208	INLET, IEC, 320 16-20 AMP
111	1	KAD-22431	PCA, CONTROLLER, 230 VAC	130	1	FS-20232	BRACKET, POWER CORD RETAINER
111	1	KAD-22223	PCA, CONTROLLER, 230 VAC, 50Hz	131	2	HN-11925	KEPS, 10-32, HEX, STL, ZN
112	1	AD-21879	PCA, HUB BOARD	132	2	HS-10405	SCREW, 4-40 X .25", PNHD PHIL
113	1	AF-20123	PLATE, SWITCHES	134	4	HS-15732	SCREW, SEMS, 8-32 UNC X .62", PNHD, PHIL
114	1	AF-20234	BRACKET, CONTROLLER, PCB	135	1	HW-10856	WASHER, LOCK, EXTERNAL, NO. 10
115	1	AW-19404	CABLE, CAT5, RJ45 FLAT PATCH 12"	136	1	RE-20242	RESISTOR, TM5, DYNAMIC BRAKE
116	1	AW-20289	WIRE, INLET TO SWITCH FILTER JUMPER	137	1	SW-19666	SWITCH, CIRCUIT BREAKER, 15 AMP, 240 VAC
117	1	AW-20290	WIRE, SWITCH TO FILTER JUMPER	137	1	SW-19667	SWITCH, CIRCUIT BREAKER, 20 AMP, 240 VAC
118	1	AW-20291	WIRE, INLET TO GROUND JUMPER, GREEN	401	1	AF-20137	BRACKET, A/V POWER SUPPLY
119	1	AW-22177	CABLE, MOTOR CONTROLLER	409	1	FS-20300	STRAP, A/V POWER SUPPLY
120	1	AW-20442	WIRE, FILTER TO OUTLET JUMPER, BLACK	418	1	TR-21881	POWER SUPPLY, 12V FAN LOCKING DC
121	1	AW-20443	WIRE, FILTER TO OUTLET JUMPER, WHITE	419	1	FS-20233	BRACKET, FAN POWER SUPPLY RETAINER
				424	1	HS-11894	SCREW SEMS, 6/32 X .25", PNHD PHIL
				NS	1	KMR-20818	KIT, FAN REPLACEMENT, PCB MOTOR CONTROLLER



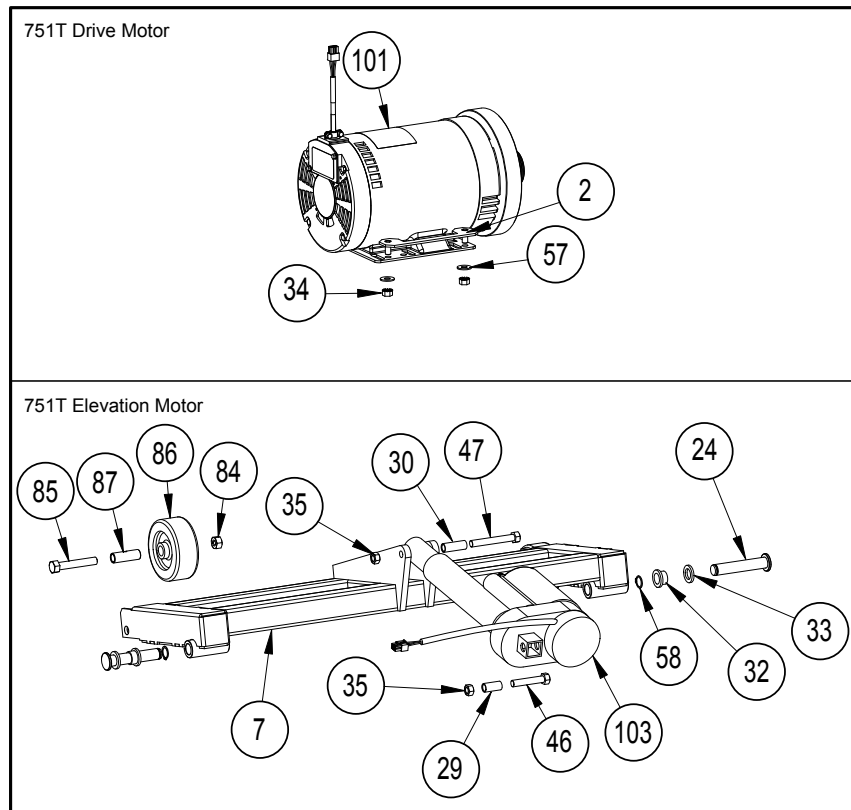
Cybex 750T Treadmill Service Manual

ITEM QTY.	PART NO.	DESCRIPTION	ITEM QTY.	PART NO.	DESCRIPTION		
8	1	AX-20383	ASSY, MOTOR COVER	66	1	PL-20266	COVER, REAR, FRAME INNER, LEFT
9	1	AX-20452	ASSY, END CAP, LEFT	67	1	PL-20269	COVER, REAR, FRAME OUTER, RIGHT
10	1	AX-20453	ASSY, END CAP, RIGHT	68	1	PL-20270	COVER, REAR, FRAME INNER, RIGHT
15	1	DE-14486	DECAL SERIAL NUMBER	69	2	HS-41107	BOLT, 5/16 - 18 X 1.5", BTHD, SST
16	1	DE-18413	DECAL, ETL AND CSA	70	2	HW-00165	WASHER, SPLIT LOCK 5/16"
17	2	DE-19360	DECAL, CYBEX, BLACK	74	2	EH-20254	CLIP,WIRE RETAINER, .24-.47", DIA., .105THK
18	2	DE-20392	DECAL, 750T, BLACK	75	1	HX-20248	GROMMET,RUBBER,1.12"DIA
19	2	DE-20393	DECAL, 750T, SILVER	77	1	DE-19198	DECAL,CYBEX
20	1	DE-20427	DECAL, DISCONNECT POWER	81	1	AF-20842	BRACKET, MOTOR COVER
26	4	FS-16511	PLATE, REAR RUBBER FOOT MOUNT	82	1	HS-11976	SCREW, SEMS, 10-32 X .38"
28	1	FS-20109	SHIELD, SPLASH	83	1	HX-20843	BUMPER, MOTOR COVER
37	2	HN-20693	NUT, TEE, 5/16 - 18, 1-2" BARREL	89	2	HS-22137	BOLT, 1/4-14 x 1.25",HXHD WSHR,TYP
38	4	HS-00700	SCREW, 8-32 X 0.50", PNHD PHIL	90	2	PL-22129	BRACKET,POWER CORD STORAGE,PLASTIC
40	12	HS-12295	BOLT, 1/4 - 20 X 1.75", HXHD, G5	91	5	EH-00986	TY WRAP 9"
42	9	HS-15706	SCREW, 8-16 X .50", PNHD, STL, BLK ZN	92	1	DE-22327	LABEL,BLACK,INTELLIGENT SUSPENSION 3
43	8	HS-16509	SCREW SLFTP, 10 X .5", PNHD, PLT, TYP	92	1	DE-22328	LABEL,SILVER,INTELLIGENT SUSPENSION 3
45	4	HS-16939	SCREW SEMS, 10-32 X .75, PNHD, BLK	200	1	AF-19890	WELDMENT, FRAME
51	12	HW-00180	WASHER, SPLIT LOCK 1/4", SST	203	1	AX-20331	ASSY, TOP PLATFORM, LEFT
54	14	HW-18123	WASHER, .344 ID X .75 OD X .125"	204	1	AX-20332	ASSY, TOP PLATFORM, RIGHT
59	2	HX-19102	FOOT, RUBBER, REAR	205	2	DE-20305	DECAL, SAFETY WALK
62	1	PL-20262	COVER, LEFT SIDE FRONT				
63	1	PL-20263	COVER, RIGHT SIDE FRONT				
64	1	PL-20264	COVER, FRONT				
65	1	PL-20265	COVER, REAR, FRAME OUTER, LEFT				



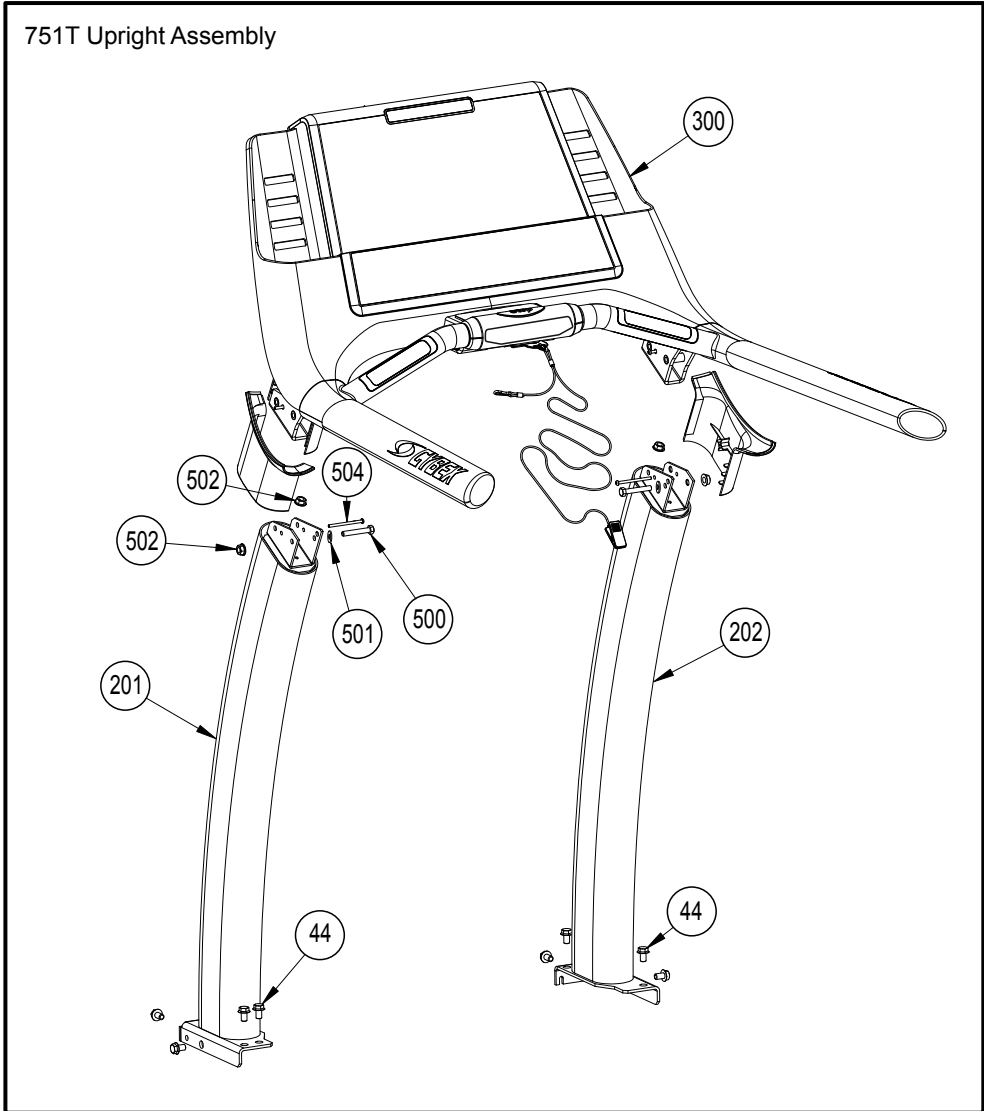
Cybex 750T Treadmill Service Manual

ITEM QTY.	PART NO.	DESCRIPTION
2	AF-20052	BRACKET, MOTOR, MOUNTING
7	AX-20094	ASSY, ELEVATION
24	FM-20096	PIN, ELEVATION PIVOT
29	FT-16825	SLEEVE, ELEVATION MOUNTING, TOP
30	FT-16826	SLEEVE, ELEVATION MOUNTING, BOTTOM
32	HB-20097	BEARING, FLANGE, BRONZE
33	HB-20098	BEARING, THRUST, BRONZE
34	HN-11136	KEPS 5/16" HEX STL ZINC
35	HN-17935	NUT LOCK, 3/8 - 24
46	HS-17936	BOLT, 3/8 - 24 X 2.0", HXHD CAP
47	HS-17937	BOLT, 3/8 - 24 X 2.75", HXHD CAP
57	HW-53017	WASHER FLAT, 5/16", SS
58	HX-13771	RING, RETAINING, 5/8" 0.579 ID
84	HN-60064	NUT, JAM, 3/8 - 16", BLACK ZN
85	HS-60022	BOLT, 3/8 X 2.25", HXHD, CAP, BLK
86	CW-22240	WHEEL, 80MM DIA X 32MM W
87	HX-22247	BUSHING, SPANNER, .500 OD X 1.5"L
101	MR-22239	ASSY, MOTOR, TREADMILL, AC DRIVE
103	MR-19992	MOTOR, ELEVATION, 115 VAC, 60 HZ
103	MR-19993	MOTOR, ELEVATION, 230 VAC, 50-60 HZ

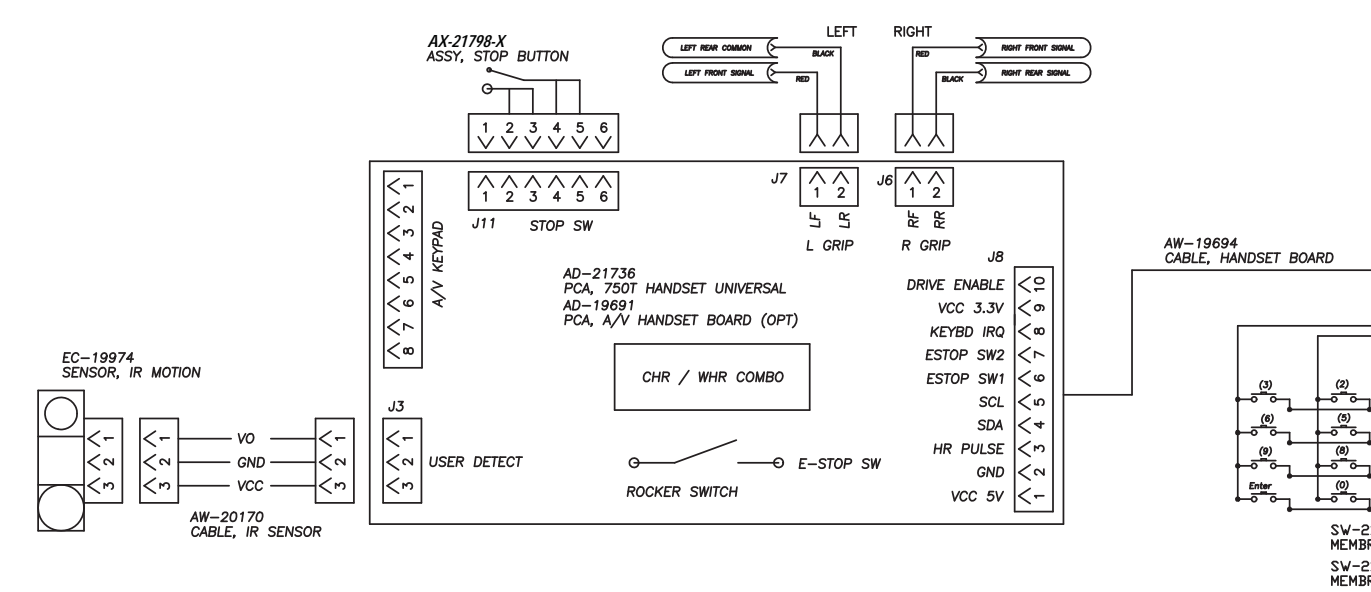
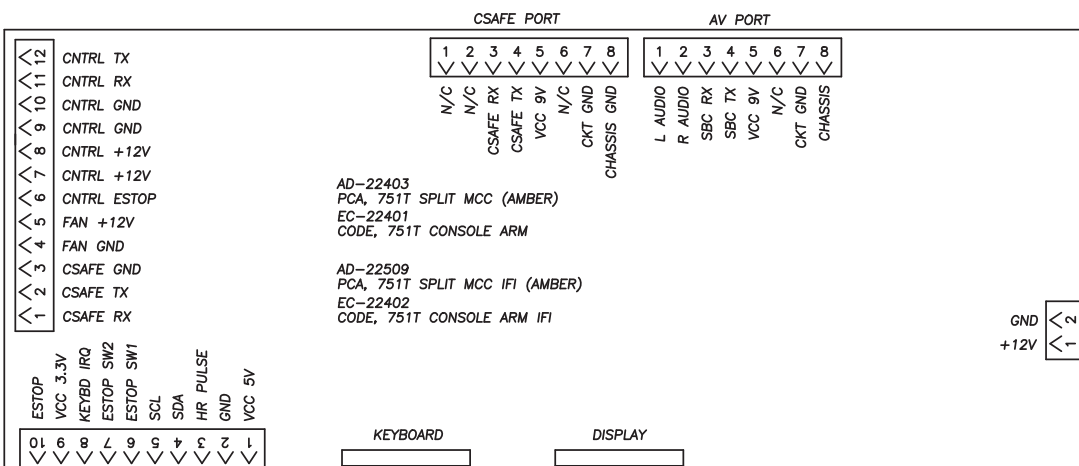
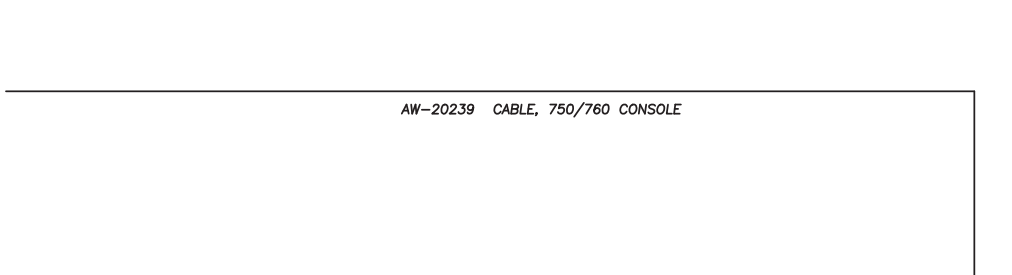
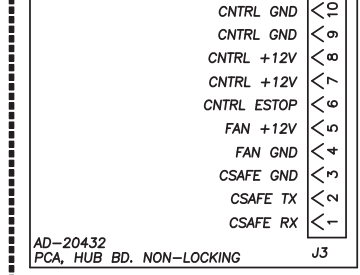
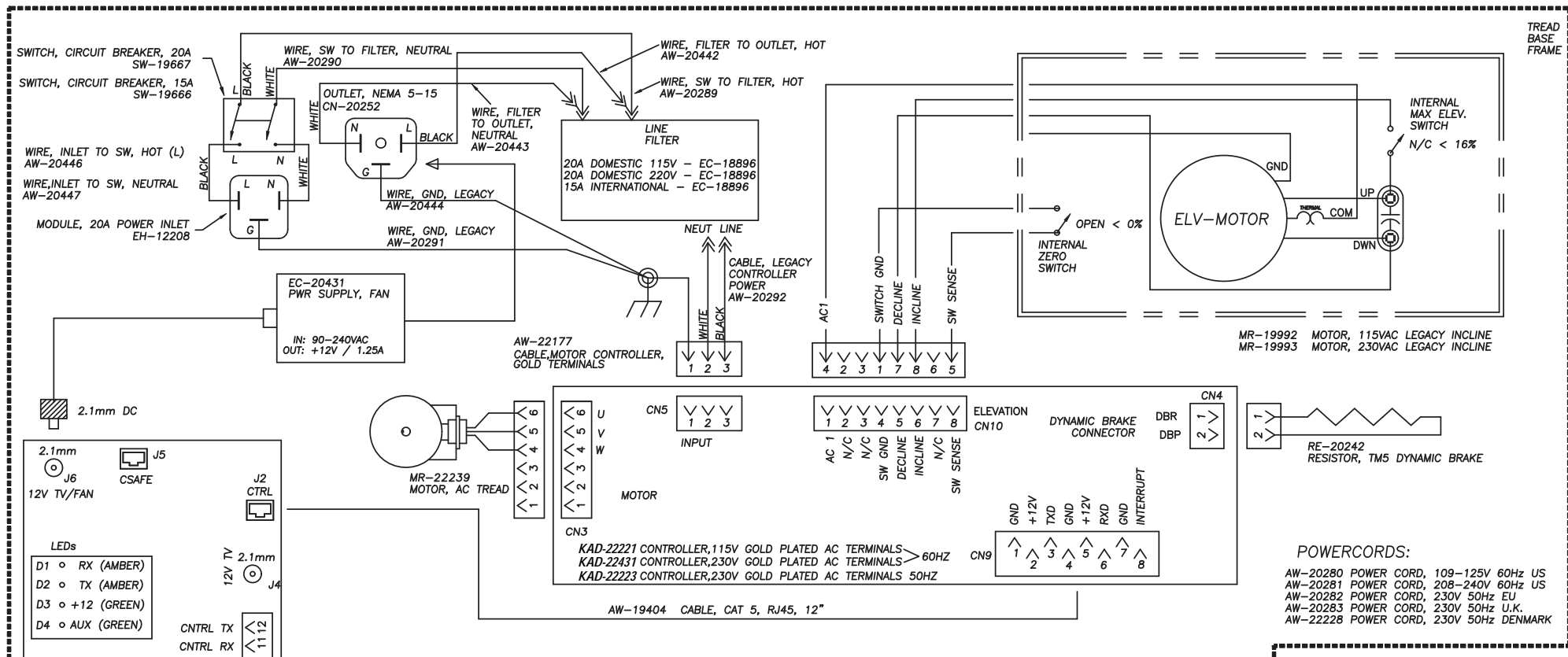


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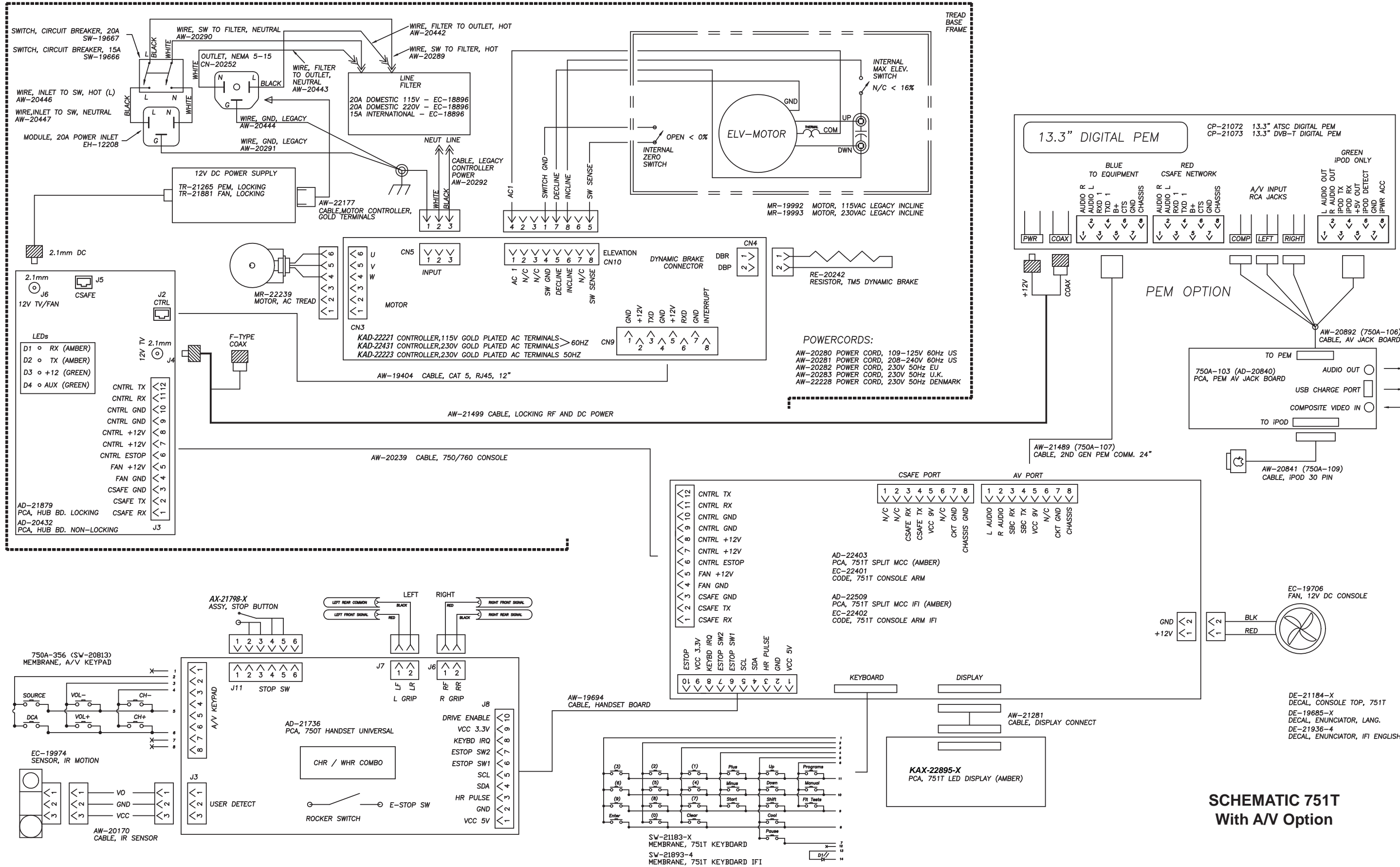
ITEM QTY.	PART NO.	DESCRIPTION	*Language Key
44	8	HS-16929 BOLT WHIZ LOCK, 3/8 - 16 X .625", HXHD	1-German
201	1	AF-19921 WELDMENT, UPRIGHT, LEFT	2-French
202	1	AF-19922 WELDMENT, UPRIGHT, RIGHT	3-Spanish
300	1	AC-21401-X* ASSY, CONSOLE, 751T, AMBER LED	4-English
500	2	HS-41050 BOLT, 5/16-18 x 2.25", HXHD, G5, ZN	6-Japanese
501	2	HW-00189 WASHER, FLAT, 5/16"	7-Swedish
502	4	HN-42063 NUT, 5/16-18, FLANGED, SS BO	8-Russian
504	2	HS-20361 SCREW, SLFTP, 8-16 X 2.5", PLASTITE	A-Danish



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SCHEMATIC 751T



**SCHEMATIC 751T
With AV Option**