

Owner's Manual

Model No.
16007306850

XT685

- Assembly
- Operation
- Adjustments
- Parts
- Warranty

CAUTION:
Read and understand this manual before operating unit

SPIRIT



Retain For Future Reference

TABLE OF CONTENTS

Product Registration	3
Important Safety Instructions	4
Important Electrical Instructions	5
Grounding Instructions	6
Location Requirements	8
Assembly Instructions	9
About Your Machine & Using the Spirit+ App	15
Operation of Your Treadmill	16
Heart Rate Exertion	27
Using Heart Rate Transmitter (Optional)	29
Maintenance & Care	30
Service Checklist - Diagnosis Guide	34
Exploded View Diagram	35
Parts List	36
Manufacturer's Limited Warranty	40

Thank you for purchasing our product, please save these instructions. Please do not perform or attempt any customizing, adjustments, repair or maintenance that is not described in this manual.

SPIRIT

***CONGRATULATIONS ON YOUR
NEW TREADMILL***

Thank you for your purchase of this quality treadmill from Dyaco Canada Inc. Your new treadmill was manufactured by one of the leading fitness manufacturers in the world and is backed by one of the most comprehensive warranties available. Through your dealer, Dyaco Canada Inc. will do all we can to make your ownership experience as pleasant as possible for many years to come. The local dealership where you purchased this treadmill is your administrator for all warranty and service needs. Their responsibility is to provide you with the technical knowledge and service personnel to make your experience more informed and any difficulties easier to remedy.

Please take a moment at this time to record the name of the dealer, their telephone number, and the date of purchase below to make any future needed contact easy. We appreciate your support, and we will always remember that you are the reason that we are in business. Please go to www.dyaco.ca/warranty and complete the online warranty registration.

Yours in Health,
Dyaco Canada Inc.

Name of Dealer _____
Telephone Number of Dealer _____
Purchase Date _____

Product Registration

RECORD YOUR SERIAL NUMBER

Please record the Serial Number of this fitness product in the space provided below.

Serial Number _____

REGISTER YOUR PURCHASE

Please visit us at www.dyaco.ca/warranty to register your purchase.

Important Safety Instructions

WARNING - Read all instructions before using this equipment.

DANGER - To reduce the risk of electric shock disconnect your treadmill from the electrical outlet before cleaning and/or service work.

WARNING - To reduce the risk of burns, fire, electric shock, or injury to persons, install the treadmill on a flat level surface with access to a 120-volt, 15-amp grounded outlet. **DO NOT USE AN EXTENSION CORD UNLESS IT IS 14AWG OR BETTER, WITH ONLY ONE OUTLET ON THE END.** The treadmill should be the only equipment in the electrical circuit. **DO NOT ATTEMPT TO DISABLE THE GROUNDED PLUG BY USING IMPROPER ADAPTERS, OR IN ANY WAY MODIFY THE CORD SET.** A serious shock or fire hazard may result in computer malfunctions.

- The treadmill should never be left unattended when plugged in. Unplug from outlet when not in use, and before putting on or taking off parts.
- Do not operate under a blanket or pillow. Excessive heating can occur and cause fire, electric shock, or injury to persons.
- This exercise equipment is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
- Use this equipment only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.
- Never operate this equipment if it has a damaged cord or plugs, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the equipment to a service center for examination and repair.
- Do not carry this equipment by supply cord or use the cord as a handle.
- Keep the cord away from heated surfaces.
- Never operate the equipment with the air openings blocked. Keep the air openings free of lint, hair, and the like.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not operate where aerosol spray products are being used or where oxygen is being administered. Sparks from the motor may ignite a highly gaseous environment.
- Connect this equipment to a properly grounded outlet only. See Grounding Instructions.
- The equipment is intended for household use.
- To disconnect, turn all controls to the off position, then remove the plug from the outlet.
- Do not operate equipment on deeply padded, plush or shag carpet. Damage to both carpet and equipment may result.
- Before beginning this or any exercise program, consult a physician. This is especially important for people over the age of 35 or persons with pre-existing health conditions.
- Keep your hands away from all moving parts.
- The pulse sensors are not medical devices. Various factors, including the user's movement, may affect the accuracy of heart rate readings. The pulse sensors are intended only as exercise aids in determining heart rate trends in general.
- Do not attempt to use your equipment for any purpose other than for the purpose it is intended.

- Wear proper shoes. High heels, dress shoes, sandals or bare feet are not suitable for use on your equipment. Quality athletic shoes are recommended to avoid leg fatigue.
- Do not block the rear of the treadmill. Provide a minimum of 3 1/2 feet clearance between the rear of the treadmill and any fixed object.
- Keep children away from the treadmill. There are obvious pinch points and other caution areas that can cause harm.
- Never operate the treadmill if it has a damaged cord or plug. If the treadmill is not working properly, call your dealer.
- Use the handrails provided; they are for your safety.
- The treadmill is not a medical device.

Please ensure that you review and adhere to the user! weight restrictions and power requirements of your new machine. Failure to do so may result in serious injury or damage to your machine.

SAVE THESE INSTRUCTIONS - THINK SAFETY!

Important Electrical Instructions

WARNING!

Route the power cord away from any moving part of the treadmill including the elevation mechanism and transport wheels.

NEVER remove any cover without first disconnecting the AC power. If voltage varies by ten percent (10%) or more, the performance of your treadmill may be affected. **Such conditions are not covered under your warranty.** If you suspect the voltage is low, contact your local power company or a licensed electrician for proper testing.

NEVER expose this treadmill to rain or moisture. This product is **NOT** designed for use outdoors, near a pool or spa, or in any other high-humidity environment. The operating temperature specification is 5 to 48 degrees Celsius (40 to 120 degrees Fahrenheit), and humidity is 95% non-condensing (no water drops forming on surfaces).

Circuit breakers: Avoid AFCI/GFCI circuit breakers if possible. These breakers may trip occasionally during exercise because of the high inrush currents of the treadmill drive electronics and motor. This is an issue that affects all treadmill brands.

New laws in your area may require these breakers. If you do have these breakers and outlets in your home and are experiencing nuisance tripping, you should check if there are any other devices plugged into the same circuit. Some examples of devices that may also cause tripping are fluorescent lights with electronic ballasts, coffee makers space heaters and hair drier.

Optimally the treadmill should be the only device plugged into the circuit.

Our treadmills have surge suppressors built in to help avoid nuisance tripping. We have tested several AFCI/GFCI breakers and outlets with our products. Brands we have tested are Eaton (Cutler Hammer Series), Leviton (Smart lock pro) and Schneider Electric (Canadian home series). These breakers do not trip in our testing, when connected to our treadmills, as long as no other devices are plugged into the same circuit.

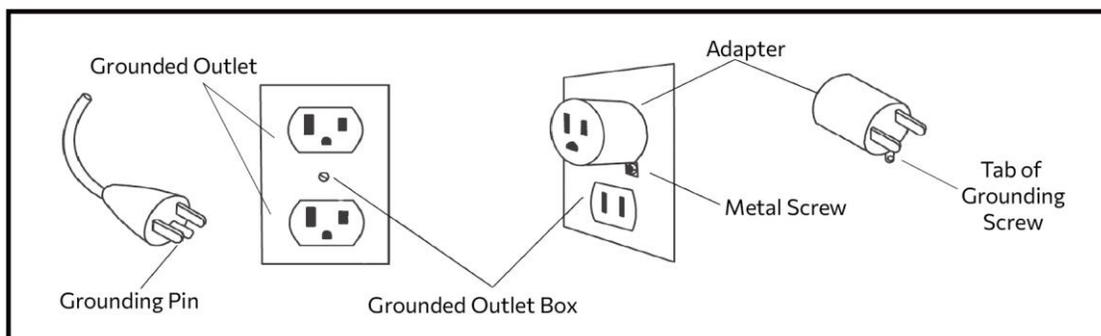
- **NEVER** operate this unit without reading and completely understanding the results of any operational change you request from the computer.
- Understand that changes in speed and incline do not occur immediately. Set your desired work level on the computer console and release the adjustment key. The computer will obey the command gradually.
- NEVER use your unit during an electrical storm. Surges may occur in your household power supply that could damage unit components. Unplug the unit during an electrical storm as a precaution.
- Use caution while participating in other activities while walking on your unit; such as watching television, reading, etc. These distractions may cause you to lose balance which may result in serious injury.
- Do not use excessive pressure on the console control keys. They are precision set to function properly with little finger pressure.

Grounding Instructions

This product must be grounded. If the treadmill should malfunction or break down, grounding provides a path of least resistance for electric current, reducing the risk of electric shock. This product is equipped with a cord having an equipment-grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded by 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 serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product if it will not fit the outlet; have a proper outlet installed by a qualified electrician.

This product is for use on a nominal 120-volt circuit and has a grounding plug that looks like the plug illustrated below. A temporary adapter that looks like the adapter illustrated below may be used to connect this plug to a 2-pole receptacle as shown below if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet, (shown below) can be installed by a qualified electrician. The green-coloured rigid ear-lug, or the like, extending from the adapter, must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw.



Safety Tether Cord

A safety tether cord is provided with this unit. It is a simple design that should be used at all times. It is for your safety should you fall or move too far back on the tread-belt. Pulling this safety tether cord will stop tread-belt movement.

To Use:

1. Place the safety key into position on the oblong metal portion of the console control head. Your unit will not start and operate without this. Removing the safety key also secures the unit from unauthorized use.
2. Fasten the plastic clip onto your clothing securely to assure good holding power. Note: The key has strong enough power to minimize accidental, unexpected stopping. The clip should be attached securely to make certain it does not come off. Be familiar with its function and limitations. The treadmill will stop, depending on speed, with a one to two-step coast anytime the safety key is pulled off the console. Use the Stop / Pause switch in normal operation.

WARNING DECAL REPLACEMENT

The decal shown below has been placed on the treadmill. If the decal is missing or illegible, please call our Customer Service Department toll-free at 1-888-707-1880 to order a replacement decal.



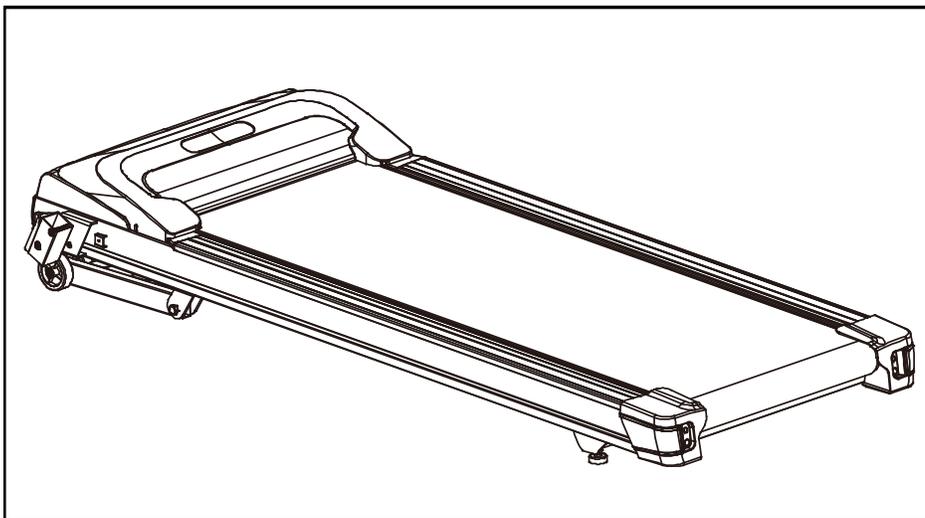
Location Requirement

After assembling your treadmill, you'll need to make sure you've installed it in a safe area.

- We recommend that you leave an area of at least 20in on the front and sides of your machine. The front of the unit is where the motor is located.
- We recommend that you leave an area of at least 6ft behind the treadmill.
- Install your treadmill in an area where children and pets cannot access it.
- Always keep the area around your treadmill clear of furniture, exercise equipment and other debris.
- Do not install your treadmill on deeply padded, plush, or shag carpet.

PRE-ASSEMBLY

1. Cut the straps, then lift the box over the unit and unpack.
2. Carefully remove all parts from the carton and inspect for any damage or missing parts. If parts are damaged or missing, contact your dealer immediately.
3. Locate the hardware package. Remove the tools first.
4. Remove the hardware for each step as needed to avoid confusion. The numbers in the instructions that are in parenthesis (#) are the item number from the assembly drawing for reference.

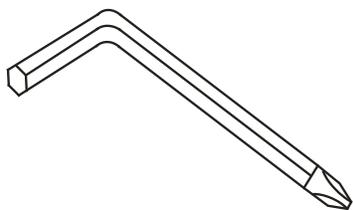


ASSEMBLY INSTRUCTIONS

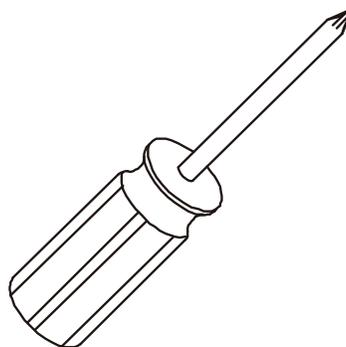
!!ATTENTION: IMPORTANT UNPACKING INSTRUCTIONS. PLEASE READ BEFORE UNPACKING YOUR TREADMILL!!

Cut the banding straps with a short box cutter (razor knife); separate the carton from the one underneath it by prying up on the staples (if applicable). Pull the carton over the treadmill parts and locate the hardware pack. The hardware pack is separated into five sections; one section containing tools and four sections labelled steps 1-4 which contain the hardware needed for the assembly of each step. The assembly steps below are numbered one through four and correspond to the hardware in the numbered sections of the hardware pack. Remove only the hardware for the step you are currently assembling to avoid confusion and mix-ups. Then remove the treadmill from the carton and lay it on a level surface.

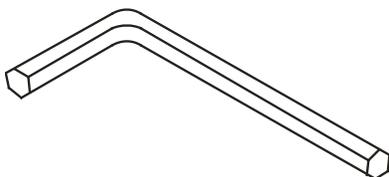
ASSEMBLY TOOLS



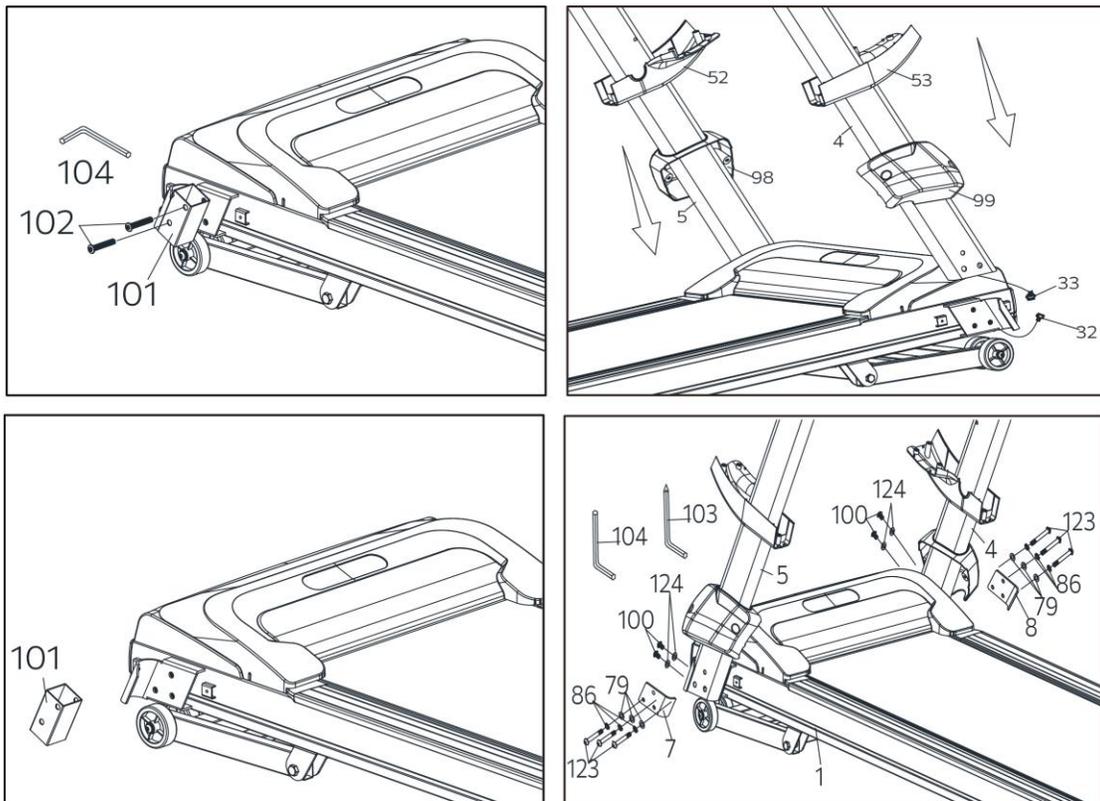
#103. Combination M5 Allen Wrench & Phillips Head



#126. Phillips Head



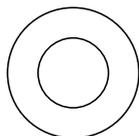
#104. M6 Allen



STEP 1

1. Remove 4 pcs **3/8" × 2-1/4" Flat Head Socket Bolts (102)** using the **L Allen Wrench (104)** and then remove the **2 Fixing Plate Stabilizers (101)** on both sides of the unit.
2. Install the **Right and Left Uprights (4,5)** into the **Upright Cover (L, R) (52,53)** and **Console Mast Side Cap (L & R) (98,99)**. Connect the **Computer Cable (33)** and **Computer Cable (Middle) (32)**.
3. Insert the **Right and Left Uprights (4, 5)** onto the **Mainframe (1)** and use **Combination Allen Wrench & Phillips Head Screwdriver (103)** to tighten four **5/16" × 3/4" Button Head Socket Bolts (100)** together with four **Ø8 × 23 × 1.5T Curved Washers (124)** then continue to use **Allen Wrench (104)** to tighten the **left and right Gusset (7, 8)** with six **3/8" × 2-1/2" Button Head Socket Bolts (123)** together with six **Ø3/8" × Ø19 × 1.5T Flat Washers (79)** and six **Ø10 × 2.0T Spring Washers (86)**.

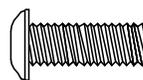
HARDWARE



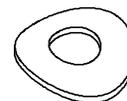
#79. 3/8" × 19 × 1.5T Flat Washer (6 pcs)



#86. Ø10 × 2.0T Split Washer (6 pcs)



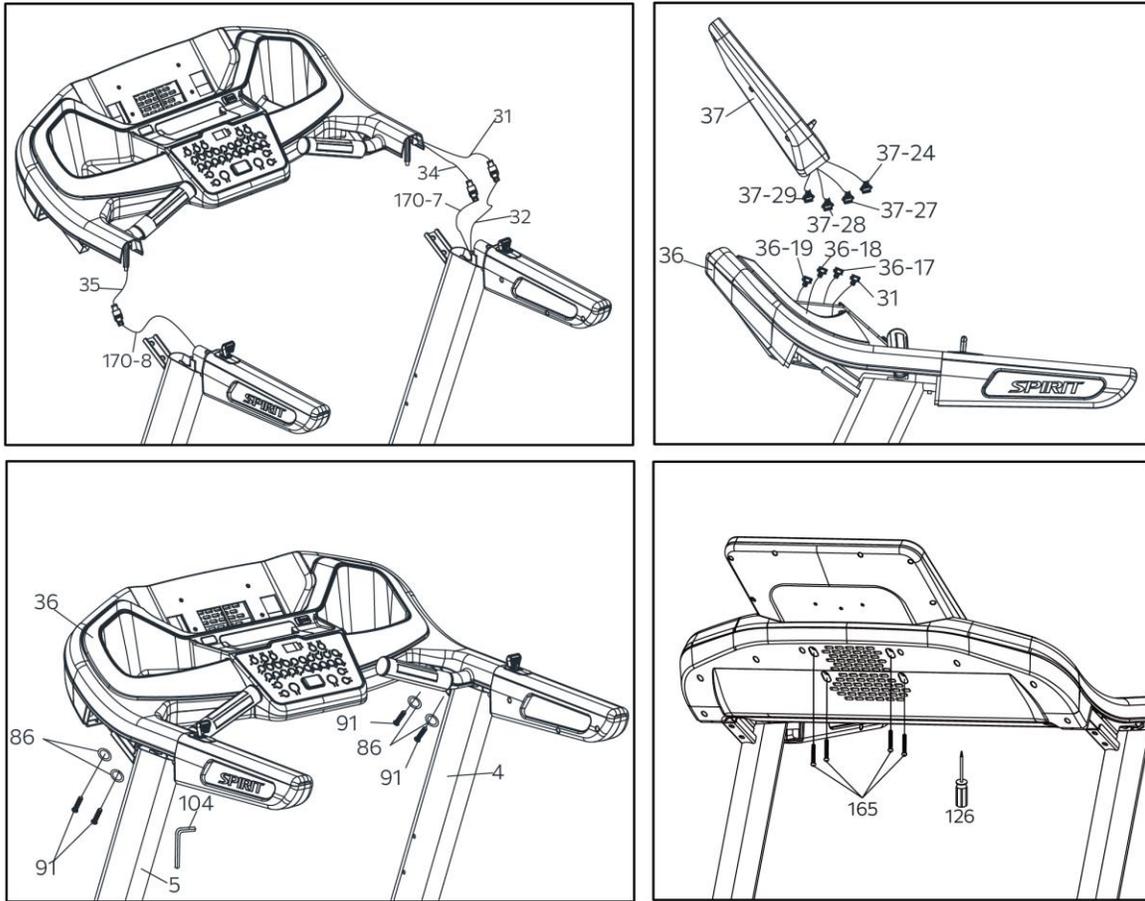
#100. 5/16" × 3/4" Button Head Socket Bolt (4 pcs)



#124. Ø8 × 23 × 1.5T Curved Washer (4 pcs)



#123. 3/8" × 2-1/2" Button Head Socket Bolt (6 pcs)



STEP 2

1. Connect the **Speed Cable (170-7)** to the **Speed Cable (Upper) (34)**. Connect the **Incline Cable (170-8)** to the **Incline Cable (Upper) (35)**. Connect the **Computer Cable (Middle) (32)** and **Computer Cable (Middle-Upper) (31)**.
2. Insert **Console Assembly (36)** into the **Right and Left Uprights (4)** and **(5)** and secure with 4 pcs of **3/8" × 1-1/2" Button Head Socket Bolts (91)** with 4 pcs of **Ø 10 × 2.0T Split Washers (86)** by using **Allen Wrench (104)**.
NOTE: Please DON'T Tighten All Screws
3. Connect **Computer Cable (37-24)** with **Computer Cable (Middle-Upper) (31)** and connect **Connecting Cable (37-27)** with **Connecting Cable (36-17)** and connect **Connecting Cable (Upper) (37-28)** with **Connecting Cable (Lower) (36-18)** and connect **Connecting Cable (Red) (37-29)** with **Connecting Cable (36-19)**.
4. Place **Console Assembly (Top) (37)** to the **Console Assembly (Bottom) (36)** and use the **Phillips Head Screwdriver (126)** to tighten 4 pcs of **M5 × 45m Phillips Head Screws (165)**.

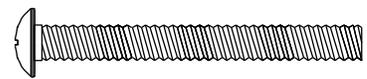
HARDWARE



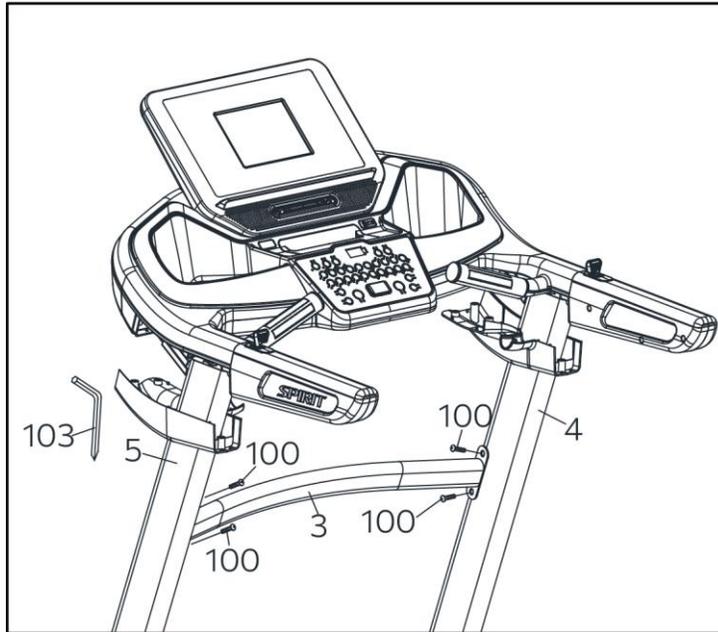
#86. Ø10 × 2.0T
Split Washer (4 pcs)



#91. 3/8" × 1-1/2" Button
Head Socket Bolt (4 pcs)



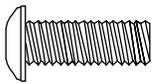
#165. M5 × 45L Phillips
Head Screw (4 pcs)



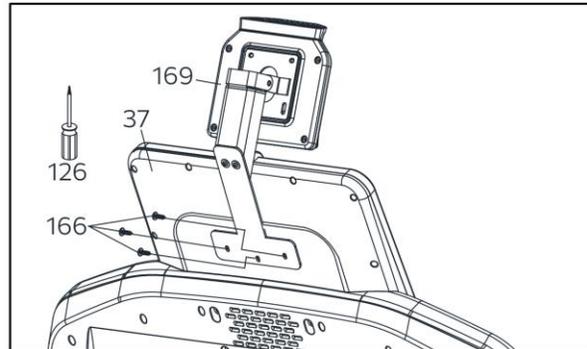
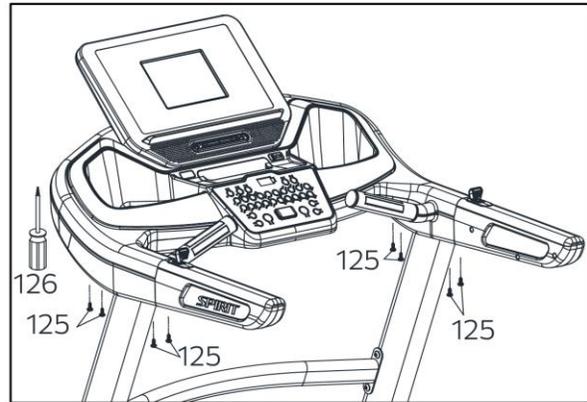
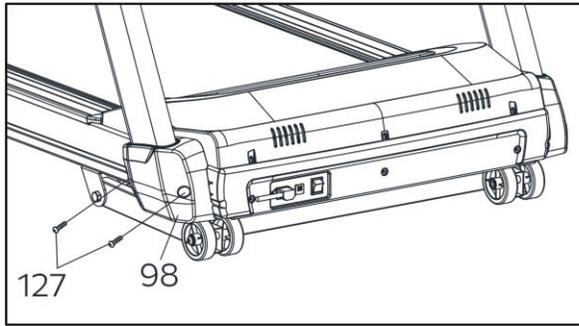
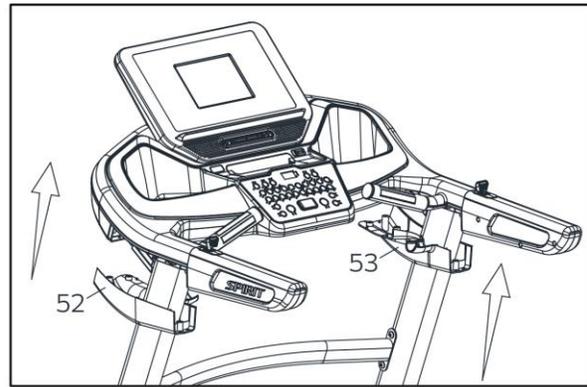
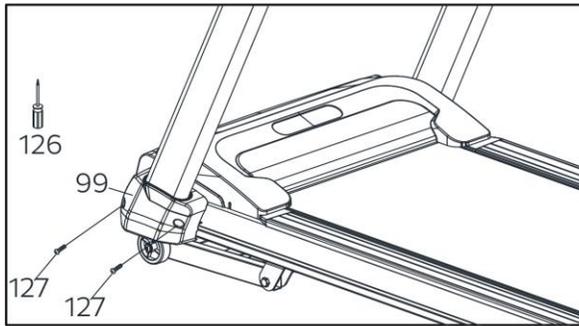
STEP 3

1. Install the **Handrails Support (3)** between the **Uprights (R, L) (4,5)** with the 4pcs of **5/16" × 3/4" Button Head Socket Bolts (100)** by using the **Combination Allen Wrench Head Screw Wrench (103)**.

HARDWARE



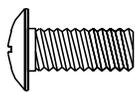
#100. 5/16" × 3/4" Button
Head Socket Bolt (4pcs)



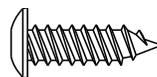
STEP 4

1. Install **Console Mast Side Cap (R) and (L), (99) and (98)**, on the **Main Frame (1)** and secure with 4 pcs of **M5 × 10mm_Phillips Head Screws (127)** by using the **Phillips Head Screwdriver (126)**.
2. Install **Upright Cover(L) and (R), (52) and (53)**, on the **right and left Uprights (4) and (5)** and **Console Support (6)** with 8 pcs of **Ø 3.5 × 16L_Sheet Metal Screws (125)** by using **Phillips Head Screwdriver (126)**.
3. Place the **Tablet Holder (169)** on **Console Assembly (Top) (37)** and use the **Phillips Head Screwdriver (126)** to tighten 3 pcs of **M5 × 25mm Phillips Head Screw (166)**.
NOTE: Please Tighten All Screw After All Components Assembly Complete.

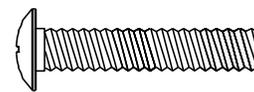
HARDWARE



#127. M5 × 10L Phillips Head Screw (4 pcs)



#125. 3.5 × 16L Sheet Metal Screw (8 pcs)



#166. M5 × 25L Phillips Head Screw (3 pcs)

TRANSPORTATION INSTRUCTIONS

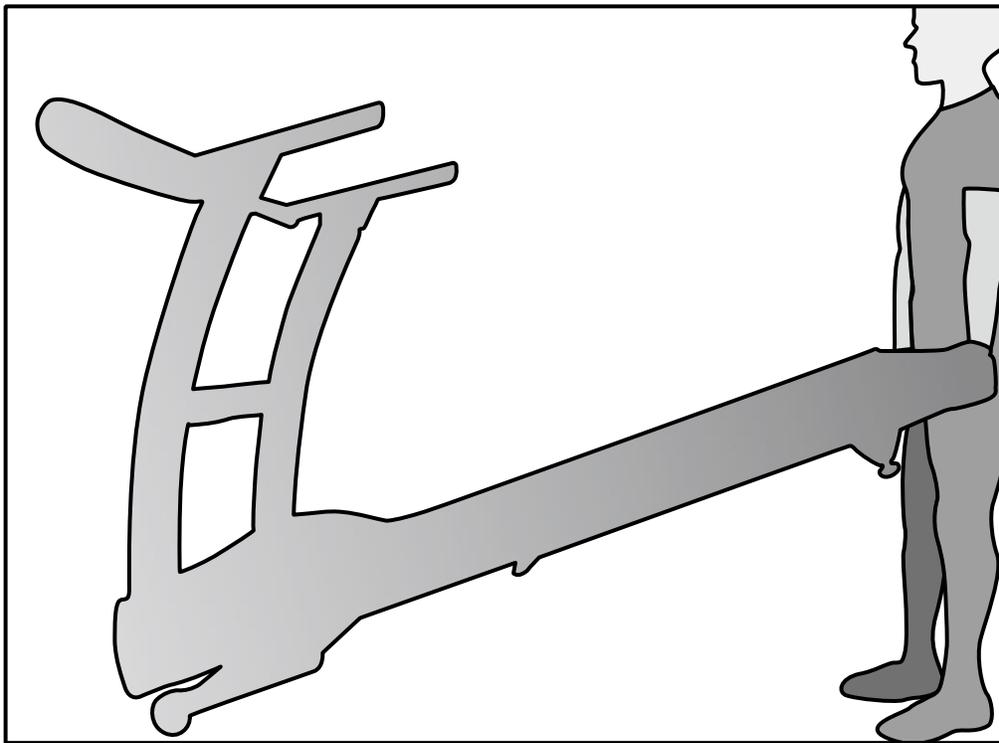
Before moving the treadmill, turn the power switch off located in front of the motor cover and unplug the power cord.

Caution: You must be able to safely lift 20 kg (45lbs) to raise\lower and move the treadmill.

To protect the floor or carpet from damage, place a mat under the treadmill. Keep the treadmill out of direct sunlight.

To reduce the risk of injury, use extreme caution while moving the treadmill, do not attempt to move the treadmill over an uneven surface.

Carefully lift the treadmill at the rear roller area, grasp the two end caps, and roll the treadmill away.



ABOUT YOUR TREADMILL

Always use care and caution when operating your treadmill. Follow the instructions in this manual to ensure the safe operation and maintenance of your treadmill.

Your new Spirit Fitness treadmill has Bluetooth connectivity to give you access to the most advanced workout experiences available. Follow the instructions below to learn more about using the Bluetooth capabilities to their fullest potential.

Downloading the Spirit+ app will help unlock more features- such as tracking workouts and sharing data via Google Fit and Apple Fitness. Simply search for “Spirit+” in the app store on your smartphone or tablet or scan the QR code below.

Did you know that you can personalize your experience with your new treadmill? Create a profile and save custom work- out programs by following the instructions below.

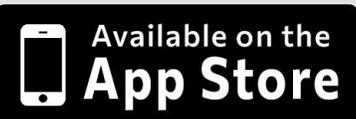


USING THE SPIRIT+ APP

In order to help you achieve your exercise goals, your new treadmill comes equipped with a Bluetooth® transceiver that will allow it to interact with selected phones or tablet computers via the Spirit+ App. Just download the free Spirit+ App from the Apple Store or Google Play, and then follow the instructions in the App to sync with your treadmill.

Press the “DISPLAY” button from the APP to view the display of the current workout data. When your exercise is complete, choose “END & SAVE WORKOUT” to store the workout data. The Spirit + App also allows you to sync your workout data with one of many fitness cloud sites we support Apple Health, Google Fit, MapMyFitness or Fitbit, with more to come.

1. Download the App by scanning the QR code on the right.
2. Open the App on your device (phone or tablet) and make sure Bluetooth® is enabled on your device (phone or tablet).
3. In the App click the Bluetooth® icon to search for your Spirit + equipment.
4. Under the Bluetooth® scan result list, select the treadmill for connection. When the App and equipment are synced, the Bluetooth® icon on the equipment’s console display will light up. Click “DISPLAY”, you may now start using your Spirit + App.
5. When your exercise is complete, choose “END & SAVE WORKOUT” to store the workout data. You will be prompted to sync your data with each available fitness cloud site. Please note, you will have to download the applicable compatible fitness App, such as Apple Health, Google Fit, MapMyFitness, Fitbit, etc., for the icon to be active and available.



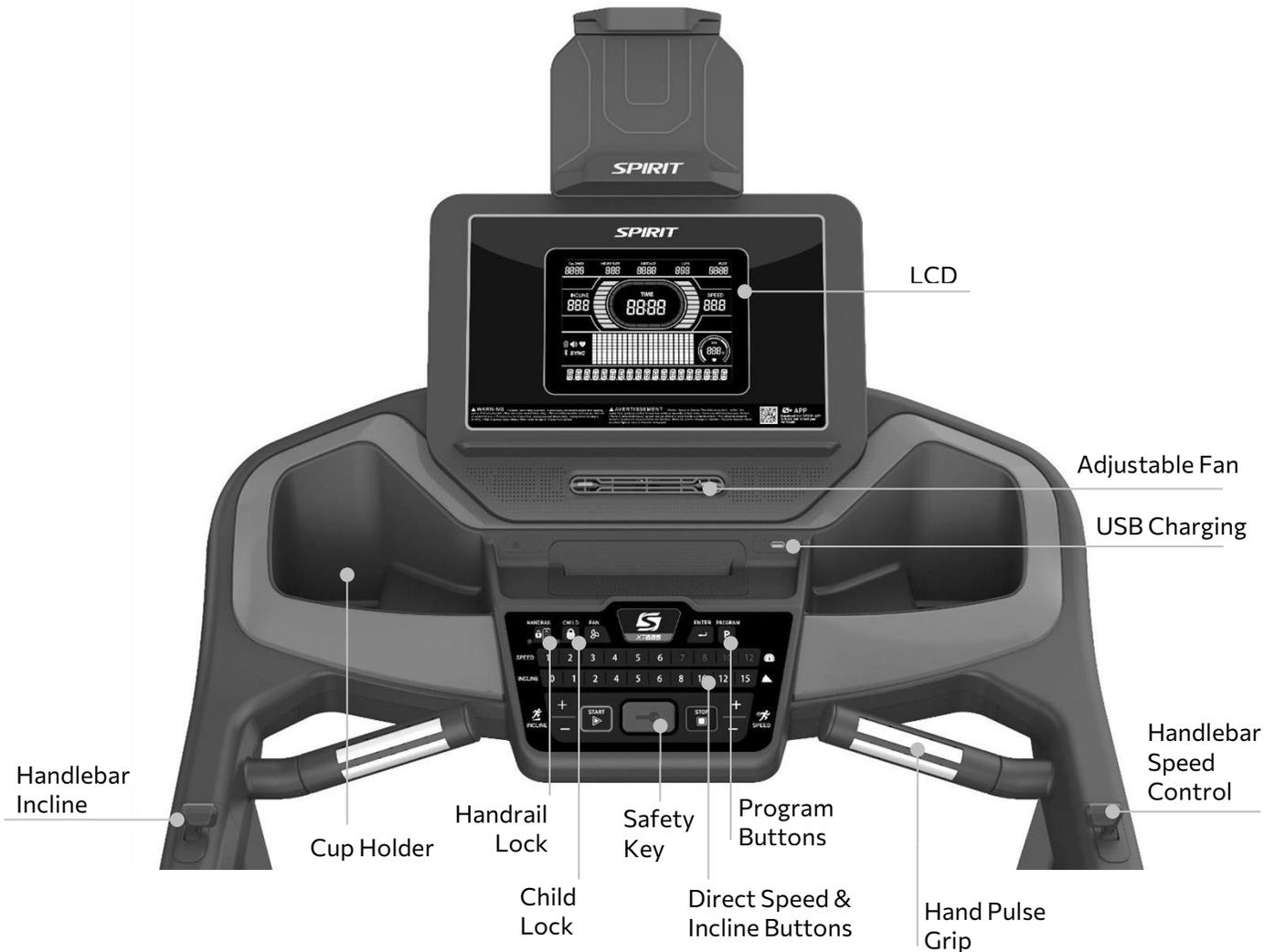
Note: Your device will need to be running on a minimum operating system of IOS 13.1 or Android 8.0 for the Spirit + App to operate properly.

The exercise equipment can also play music wirelessly via Bluetooth®. Turn on your mobile phone or tablet’s Bluetooth® function. Search for the name “Bt-speaker” in your device’s Bluetooth® menu. Tap to connect. Now your device can transmit music to the exercise equipment.

The icon  lights up and the heart rate is displayed when successfully connected to a Bluetooth® heart rate chest strap. The icon will be off when the Bluetooth® heart rate chest strap is disconnected.

OPERATION OF YOUR CONSOLE

GETTING FAMILIAR WITH THE CONTROL PANEL



Powering On

Power the unit on by plugging it into an appropriate wall outlet, then turn on the power switch located at the front of the treadmill below the motor hood. Ensure that the Safety Key is installed, as the treadmill will not power on without it.

When it is first powered on, the console will perform an internal self-test. During this time all the lights will turn on. When the lights go off, the Message Window will show a software version (i.e.: VER 1.0) and the Distance window will display an odometer reading.

The odometer reading displays how many virtual miles the fitness treadmill has gone. The Time window displays how many hours the treadmill has been used. The odometer and time will remain displayed for only a few seconds then the console will go to the startup display. The dot matrix display will be scrolling through the different workout profiles and the Message Window will scroll through the start-up message. You may now begin to use the console.

Quick Start

1. Press and release the **Start key** to wake the display up (if not already on).
Note: Installing the tether key will also wake up the console.
2. Press and release the **Start key** to begin belt movement, at 0.5 mph, then adjust to the desired speed using the **Speed + / -** or **Fast/Slow** keys (console or handrail). You may also choose your desired speed level by pressing the 1 through 12 buttons on the console.
3. To adjust the speed, press and hold the **Speed + /- keys** (console or remote handlebar buttons) to achieve the desired speed. You may also adjust to the desired speed by pressing the 1 through 12 buttons on the console.
4. To adjust the **Incline** level, press and hold the Incline **Up/ Down keys** (console or remote handlebar buttons) to achieve the desired gradient. You may also adjust to the desired incline by pressing the 0 through 15 buttons on the console.
5. To stop the tread-belt press and release the **Stop** key.

FEATURES

Handlebar Speed and Incline Controls

The treadmill allows you to make speed and incline changes using the speed and incline controls located on the handlebar. You can also choose to turn these off if you frequently hold on to these rails. This is achieved by pressing the Handrail Control Button which is located on the console next to the child lock button. When the indicator light is lit, the handlebar speed and incline controls are disabled. This allows you to use the full length of the handrails without fear of activating the speed or incline controls.

Direct Speed & Incline Buttons

You can set your speed and incline settings quickly by pressing the buttons on the console. Simply choose the desired speed and/or incline level from the console and the treadmill will automatically adjust to that level. This saves time because you don't have to press and hold or hold a button down until reaching the desired value.

Console

The console will display Pace, Calories burned, Time (elapsed or countdown), Distance travelled, Pulse, Speed, Incline, Program Name, number of Laps completed, and Segment Time. There is also a Speed & Incline profile graph that lets you see how hard you have worked and how challenging the upcoming segments will be.

Pause / Stop / Preset

1. When the treadmill is running the pause feature may be utilized by pressing the red **Stop** key once. This will slowly decelerate the tread-belt to a stop. The incline will go to zero percent. The Time, Distance and Calorie readings will hold while the unit is in pause mode. After 5 minutes the display will reset and return to the start-up screen.
2. To resume your exercise, when in Pause mode, press the **Start** key. The speed and incline will return to their previous settings.

Note: Pause is executed when the Stop button is pressed once. If the Stop key is pressed a second time, the program will end and a workout summary will be displayed. If the Stop button is pressed a third time, the console will return to the idle mode (start-up) screen. If the Stop button is held down for more than 3 seconds the console will reset.

Child Lock

Your machine is equipped with a child lock feature which disables the buttons on the console to prevent unauthorized use. To turn it on, press **Child Lock**, then the LED will light up. The treadmill will be in idle mode and cannot be operated. You must hold **Child Lock** for 3 seconds to unlock. After the LED light turns off, then press **START** to operate.

Built-in Fan

The console includes a built-in fan to help keep you cool. To turn the Fan on, press the key on the left side of the console.

Dot Matrix Center Display

Twenty columns of boxes (10 high) indicate each segment of a workout. The boxes only show an approximate level (resistance) of effort. They do not necessarily indicate a specific value - only an approximate percent to compare levels of intensity. In Manual Operation the resistance dot matrix window will build a profile "picture" as values are changed during a workout.

The speed and incline profiles will display half of the program at one time (10 columns). They will both scroll right to left.

1/4 Mile Track

The 1/4-mile track (one lap) will be displayed around the dot matrix window. The flashing segment indicates your progress. Once the 1/4-mile (Metric - 0.4km) is complete this feature will begin again. The Lap track will move in a counterclockwise direction. There is a lap counter in the message window for monitoring your distance.

Incline

- Incline may be adjusted any time after belt movement.
- Press and hold the +/- or Up/Down keys (console or handrail) to achieve the desired level of effort. You may also choose a more rapid increase/decrease by simply pressing the desired level on the console.
- The display will indicate incline percent increases in increments of 0.5 as adjustments are made.
- The incline will return to zero unless the main power switch or safety key is turned off while at a higher setting.

Calorie Display

Displays the cumulative calories burned at any given time during your workout.

Note: This is only a rough guide used for comparison of different exercise sessions, and is not to be used for medical purposes.

Pulse Grip Feature

The Pulse (Heart Rate) window will display your current heart rate in beats per minute during the workout. You must use both stainless steel sensors on the stationary grips for the heart rate transmitter chest strap to display your pulse. Pulse value displays anytime the upper display is receiving a Pulse signal. You may not use the Pulse Grip feature while in Heart Rate Programs.

Note: Refer to Important Safety Instructions concerning Pulse Grip operation.

Charge Portable Devices with USB port

Charge your device during your workout using the fitness equipment's on-console USB port. To charge your mobile electronics make sure the fitness equipment power is on.

Step 1: Connect your USB charging cable (not included) to the USB Power Port and your device.

Step 2: Check to make sure your device icon indicates it is charging.

NOTE:

- USB charging cable is not included, make sure a compatible USB charging cable is being used.
- The USB port on the console is capable of powering USB devices. It provides up to 5Vdc/1.0 amp of power and meets USB 2.0 regulations. You will not be able to save your workout data to a USB via this port; it is used for charging purposes only.



Heart Rate Percent Profile

The console LCD screen will display your current heart rate anytime a pulse is detected. The Graph, located to the right of the LCD screen, will show your current heart rate % about your projected maximum heart rate, which is determined by the age that you entered during the programming phase of any program. The significance of the graph colours is as follows:

- **0-60% of maximum is White**
- **61-70% of maximum is Blue**
- **71-80% of maximum is Green**
- **81-90% of maximum is Yellow**
- **91% or more is Red**

PROGRAMS INTRO

Programming the Console

Each of the programs can be customized with your personal information and changed to suit your needs. Some of the information is necessary to ensure the readouts are correct. You will be asked for your Age and Weight. Entering your Age is necessary during the Heart Rate programs to ensure the correct predicted target heart rate zone. Entering your Weight aids in calculating a more correct Calorie reading. Although we cannot provide an exact calorie count, we do want to be as close as possible.

CALORIE NOTE: Calorie readings on every piece of exercise equipment, whether it is in a gym or at home, are only an estimate and tend to vary widely. They are meant only as a guide to monitor your progress from workout to workout.

Entering a Program and Changing Settings

When you enter a program, by pressing the **Program** key, then **Enter** key, you have the option of entering your settings. If you want to work out without entering new settings, then just press the **Start** key. This will bypass the programming of data and take you directly to the start of your workout. If you want to change the personal settings then just follow the instructions in the Message Center. If you start a program without changing the settings, the default or saved settings will be used.

NOTE: Age and Weight default settings will change when you enter a new number. So the last Age and Weight entered will be saved as the new default settings. If you enter your Age and Weight the first time you use the treadmill, you will not have to enter it every time you work out unless either your Age or Weight changes or someone else enters a different Age and Weight. Each preset program has a maximum Speed and Incline level that is displayed when a desired workout is chosen. The maximum Speed and Incline that the particular program will achieve will be displayed in the Message Center.

PROGRAMS - TO SELECT AND START A PROGRAM

The treadmill offers eight factory preset programs, two custom user-defined programs, three target programs and one Manual program. Each preset program has a maximum speed level that is displayed when a desired workout is chosen. The maximum speed that the particular program will achieve will be displayed in the Speed window. Also included are two user programs (**CUSTOM 1** and **CUSTOM2**) for custom workouts.

1. Press the **PROGRAM** key to select the desired program (**Hill, Fat burn, Cardio, Strength, or HIIT**). Press **Enter** to set the program. The display will prompt you through the programming or you can just press **Start** to begin the program with default values.
2. If **Enter** was pressed, the **Message center** will now be blinking a value, indicating your **Age** (default is 35). Entering your correct age affects the heart rate Graph Display and the Heart Rate programs. Use the **+ or - keys** to adjust, then press **Enter**. Your age determines your recommended maximum heart rate. Since the HR Graph Display and the Heart Rate features are based on a percentage of your maximum heart rate, it is important to enter the correct age for these features to work properly.
3. The Message center will now be blinking a value, indicating your **Body Weight** (default is 150 lbs/ 70kgs.). Entering the correct body weight will affect the calorie count. Use the **+ or - keys** to adjust, then press **Enter**.
A note about the Calorie display: No exercise machine can give you an exact calorie count because there are too many factors which determine the exact calorie burn for a particular person. Even if someone is the same body weight, age and height, their calorie burn may be very different than yours. The Calorie display is to be used as a reference only to monitor improvement from workout to workout.
4. The **Message Center** will be blinking a value, indicating Time (the default value is 30 minutes). You may use any of the + or - keys to adjust the time. After adjusting, or accepting the default, press **Enter**. (Note: You may press start at any time during the programming to start the program).
5. The **Message Center** will now be blinking the preset top speed of the selected program. Use the **Speed + or - keys** to adjust, then press **Enter**. Each program has various speed changes throughout; this allows you to limit the highest speed the program can reach.
6. The **Message Center** will be blinking the preset top incline of the selected program. Use the **Incline + / - keys** to adjust, then press **Enter**. You are now done programming data and may press **Start** to begin your workout or **Stop** to go back to one level to change data entered in the programming phase.

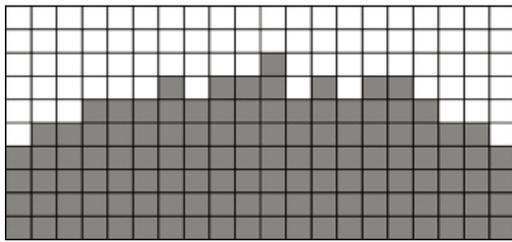
PROGRAMS- PRESET

The treadmill has eight different programs that have been designed for a variety of workouts. Six of these programs have factory preset Speed and Incline level profiles or achieve different goals.

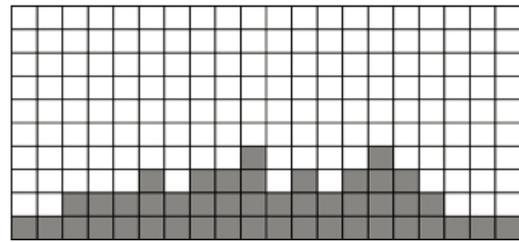
Hill

This program follows a triangle or pyramid type of gradual progression from approximately 10% of maximum effort (the level that you chose before starting this program) up to a maximum effort which lasts for 10% of the total workout time, then a gradual regression of resistance back to approximately 10% of maximum effort.

Incline: The deck elevation is a more gradual and sustained progression. Maximum elevation is in the middle of the workout and lasts for 10% of the duration.



Speed

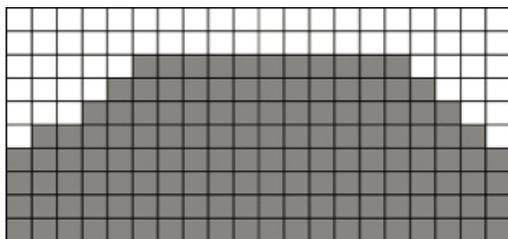


Incline

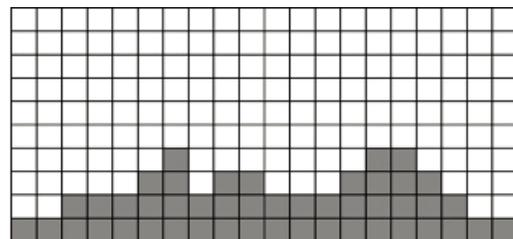
Fat Burn

This program follows a quick progression up to the maximum speed level (default or user input level) that is sustained for 2/3 of the workout. This program will challenge your ability to sustain your energy output for an extended period.

Incline: The deck elevation is a quick and sustained progression up to the maximum value (default or user input) for 90% of the workout duration.



Speed

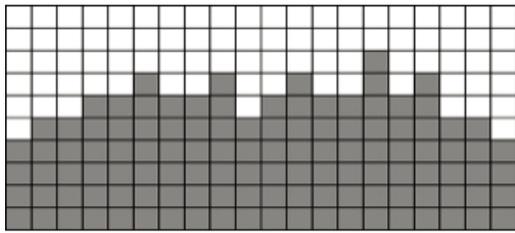


Incline

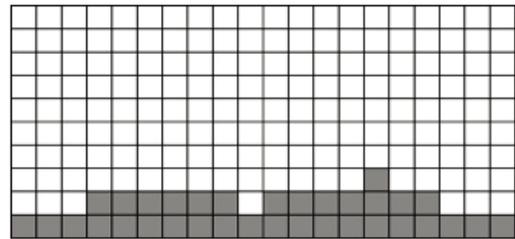
Cardio

This program presents a quick progression up to near maximum speed level (default or user input level). It has slight fluctuations up and down to allow your heart rate to elevate, and then recover repeatedly, before beginning a quick cool down. This will build up your heart muscle and increase blood flow and lung capacity.

Incline: The elevation in this program is moderate. There are several elevation spikes at different points of the workout.



Speed

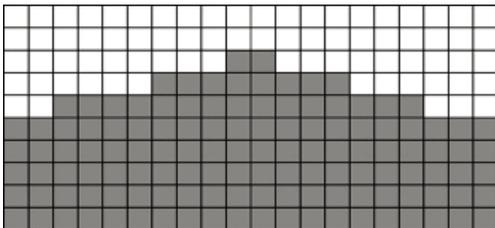


Incline

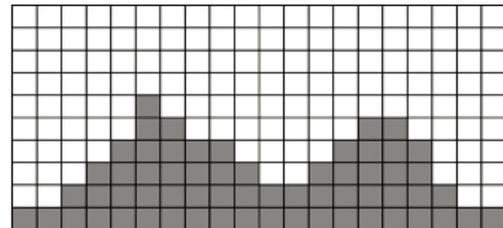
Strength

This program has a gradual progression of speed up to 100% of maximum effort that is sustained for 25% of the workout duration. This will help build strength and muscular endurance in the lower body and glutes. A brief cool-down follows.

Incline: There is a quick climb to a moderate, sustained elevation that lasts the majority of the workout length.



Speed

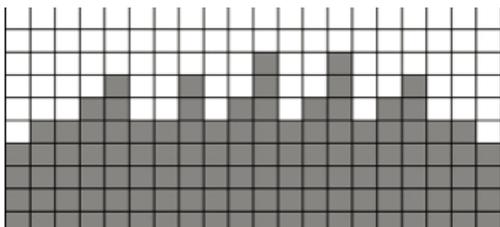


Incline

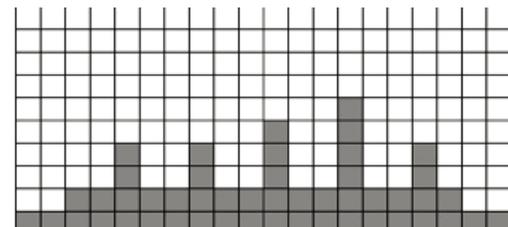
HIIT

The HIIT program takes you through high levels of intensity followed by periods of low intensity. This program increases your endurance by depleting your oxygen level followed by periods of recovery to replenish oxygen. Your cardiovascular system gets programmed to use oxygen more efficiently this way. This program also forces your body to become more efficient due to spikes in heart rate, between recovery periods. This aids in heart rate recovery from intense activities.

Incline: This program will spike similar to the speed profile but in different segments (columns); this means that all of your lower extremity muscles will be equally challenged throughout this program. The incline alternates between 25 & 65 % of maximum elevation.



Speed



Incline

Fusion

Resistance: This program takes you through high levels of cardio & strength intensity followed by recovery periods of low intensity. This program utilizes and develops your “Fast Twitch” muscle fibres which are used when performing tasks that are intense and short in duration. These deplete your oxygen level and spike your heart rate, followed by periods of recovery and heart rate drop to replenish oxygen. Your cardiovascular system gets programmed to use oxygen more efficiently.

Incline: This program will spike similar to the speed profile but in different segments (columns); this means that all of your lower extremity muscles will be equally challenged throughout this program. The incline alternates between 25 & 65 % of maximum elevation.

1. Press the **PROGRAM** key to select the FUSION program. The display will prompt you through the programming.
2. The Message Center will now be blinking a value, indicating your **Age** (default is 35). Entering your correct age affects the heart rate Graph Display and the Heart Rate programs. Use the **speed + or -** keys to adjust, then press **Enter**. Your age determines your recommended maximum heart rate. Since the HR Graph Display and the Heart Rate features are based on a percentage of your maximum heart rate, it is important to enter the correct age for these features to work properly.
3. The Message Center will now be blinking a value, indicating your **Body Weight** (default is 150 lbs/ 70kgs.). Entering the correct body weight will affect the calorie count. Use the **+ or - keys** to adjust, then press **Enter**.
Note: on average you will complete 15-20 repetitions of the strength exercise in a 0:30 interval. As a general rule, the longer the interval, the less weight (dumbbells) and speed (treadmill) required; use the **+ or - keys** to adjust, then press **Enter**.
4. The Message Center will now be blinking the preset top speed of the selected program. Use the **speed + or - keys** to adjust, then press **Enter**. Each program has various speed changes throughout; this allows you to limit the highest speed the program can reach.
5. The Message Center will be blinking the preset top incline of the selected program (1.0%). Use the **speed + or - keys** to adjust, then press **Enter**.
6. The Message Center will be blinking the # of intervals desired (default is 10; you may select 10, 20, or 30). Use the **speed + or - keys** to adjust, then press **Enter**.
7. The Message Center will be blinking the desired Interval time (default is 1:00). The time you select will be the duration of both the cardio & strength intervals.
8. The Message Center will be blinking the desired recovery time the default setting is 0:30 you desire after completing both the cardio & strength intervals. Use the **+ or - keys** to adjust, then press **Enter**.
9. You are now done programming data and may press **Start** to begin your workout.

5K or 10K Program

5K Run, 10K Run programs automatically set a target distance for your workout (5 km and 10 km, respectively). When the program begins the Distance will count down; once it reaches zero the program ends. The program ends when the target distance is reached.

*Please note that the Speed readout is in MPH if the console is not set to Metric readings.

1. Press the **PROGRAM** key to select the 5K or 10K program. Press **Enter** to set the program. The display will prompt you through the programming or you can just press **Start** to begin the program with default values.
2. If **Enter** was pressed, the **Message center** will now be blinking a value, indicating your **Age** (default is 35). Use the **+** or **- keys** to adjust, then press Enter.
3. The **Message center** will now be blinking a value, indicating your **Body Weight** (default is 150 lbs/ 70kgs.). Use the **+** or **- keys** to adjust, then press **Enter**.
4. The **Message Center** will be blinking a value, indicating Speed (the default value is 0.5 mph). You may use any of the **+** or **- keys** to adjust the speed. After adjusting, or accepting the default, press **Enter**.
5. You are now done programming data and may press **Start** to begin your workout or **Stop** to go back to one level to change data entered in the programming phase.

Countdown Mode

Target programs can set a **Target Time, Target Distance or Target Calories** for your workout. When the program begins the target item will count down; once it reaches zero the program ends.

1. Press the **PROGRAM key** to select TARGET PROGRAM, then press **Enter**.
2. Press the **PROGRAM key** to select the Target Time program, Target Distance program or Target Calories program. Press **Enter** to set the program. The display will prompt you through the programming or you can just press **Start** to begin the program with default values.
3. If **Enter** was pressed, the Message center will now be blinking a value, indicating your **Age** (default is 35). Use the **+** or **- keys** to adjust, then press **Enter**.
4. The Message center will now be blinking a value, indicating your **Body Weight** (default is 150 lbs/ 70kgs.). Entering the correct body weight will affect the calorie count. Use the **+** or **- keys** to adjust, then press Enter.
5. In the Target Time program, the Message Center will be blinking a value, indicating **Time** (the default value is 5 minutes) In the Target Distance program, the Message Center will be blinking a value, indicating **Distance** (the default value is 1.0 mile) In Target Calories program, the Message Center will be blinking a value, indicating Calories (the default value is 300). You may use any of the **+** or **- keys** to adjust the target item. After adjusting, or accepting the default, press **Enter**.
6. You are now done programming data and may press **Start** to begin your workout.

Custom Workout Program

1. Press the **PROGRAM** button to select CUSTOM PROGRAM, then press **Enter**.
2. Press the PROGRAM button to select **CUSTOM 1** or **CUSTOM 2** then press **Enter**. Note that the dot matrix display portion will have a single row of segments at the bottom (Unless there is a previously stored program).
3. If there is a program stored under the button that is pressed, it will be retrieved. If not, you have the option of programming in your first name. The message window will display and flash the letter "A". To change it, press the **Speed + key**, then "B" will be displayed; if the **Speed - key** is pressed, the letter "Z" will be displayed. After selecting the appropriate letter, press enter. The letter "A" will again be displayed and blinking. Repeat the procedure until all letters of your first name are programmed (7 characters maximum). When your name is displayed, press **Stop** and it will be stored under either **CUSTOM 1** or **CUSTOM 2**.
4. The Message Center will now be blinking an Age value. Use the **Incline +/- keys** or **Speed +/- keys** to adjust. Press Enter. This is a must to continue even if age is not adjusted.
5. The Message Center will now be blinking a bodyweight value. Enter your body weight and press **Enter**.
6. Note the clock/Message Center is flashing. Use the **+ / - keys** to adjust up from 30 minutes (if desired). Press the **Enter** key. This is a must to continue even if time is not adjusted.
7. The first column (segment) will now be blinking. Using the **Speed +/- keys** or **Direct Access keys**, adjust the speed level to your desired effort for the first segment then press **Enter**. The second column will now be blinking. Repeat the above process until all segments have been programmed.
The first column will be blinking again. This is for the incline programming. Repeat the above process to program all segments for incline.

Note: While in a User program, if you change the speed, all segment speeds from there on will also change.

Examples: If you increase your current speed by 1 mph (1.6 kmph), the remaining segment speeds will increase by 1 mph (1.6 kmph). If you decrease your current speed by 0.5 mph (0.8 kmph), the remaining segment speeds will decrease by 0.5 mph (0.8 kmph), etc.

8. Press the **Start** button to begin the workout and also save the program to memory.
9. The profile picture will be re-scaled to fit in the window, but the actual speed and incline settings will remain the same as programmed.

Heart Rate Program Operation

You must use a wireless chest strap transmitter to use the heart rate program. Heart Rate programs operate the same, the only difference is that **HR1** is set to 55%, **HR2** is set to 65%, **HR3** is set to 75% and **HR4** is set to 85% of the maximum heart rate. They are programmed the same way. To start an HR program follow the instructions below or just select the **HR 55%, HR 65%, HR 75% or HR 85%** program, then the Enter button and follow the directions in the **Message Center**.

After selecting your heart rate target, the program will attempt to keep you at or within 3 - 5 heartbeats per minute of this value. Follow the prompts in the **Message Center** to maintain your selected heart rate value.

1. Press the **PROGRAM** KEY to select HR PROGRAM then press ENTER.
2. Press the **PROGRAM** key to select target HR 55%, target HR 65%, target HR 75% or target 85%, then press the **Enter** key.
3. The Message Center will ask you to enter your **Age**. You may enter your age, using the **Speed + or - keys**, then press the **Enter** key to accept the new value and proceed on to the next screen.
4. You are now asked to enter your **Weight**. You may adjust the weight value using the **Speed + or - keys**, then press **Enter** to continue.
5. Next is Time. You may adjust the time using the **Speed + or - keys** and press **Enter** to continue.
6. Now you are asked to adjust the Heart Rate Target. This is the heart rate level you will strive to maintain during the program. Adjust the level using the **Speed + or - keys**, then press **Enter**
Note: The heart rate that appears is based on the % you accepted in Step 1. If you change this number it will either increase or decrease the % from Step 1.
7. Now you are finished editing the settings and can begin your workout by pressing the **Start** key.
You can also go back and modify your settings by pressing the **Enter** key.
Note: At any time during the editing of Data you can press the **Stop** key to go back one screen.
8. If you want to increase or decrease the workload at any time during the program press the **Incline + or - key** on the console or left handlebar. This will allow you to change your target heart rate at any time during the program.

HEART RATE EXERTION

The old motto, “no pain, no gain”, is a myth that has been overpowered by the benefits of exercising comfortably. A great deal of this success has been promoted by the use of heart rate monitors. With the proper use of a heart rate monitor, many people find that their usual choice of exercise intensity was either too high or too low and exercise is much more enjoyable by maintaining their heart rate in the desired benefit range.

To determine the benefit range in which you wish to train, you must first determine your Maximum Heart Rate. This can be accomplished by using the following formula: 220 minus your age. This will give you the Maximum Heart Rate (MHR) for someone of your age. To determine the effective heart rate range for specific goals you simply calculate a percentage of your MHR. Your Heart rate training zone is 50% to 90% of your maximum heart rate. 60% of your MHR is the zone that burns fat while 80% is for strengthening the cardiovascular system. This 60% to 80% is the zone to stay in for maximum benefit.

For someone who is 40 years old, their target heart rate zone is calculated:

$$220 - 40 = 180 \text{ (maximum heart rate)}$$
$$180 \times .6 = 108 \text{ beats per minute}$$

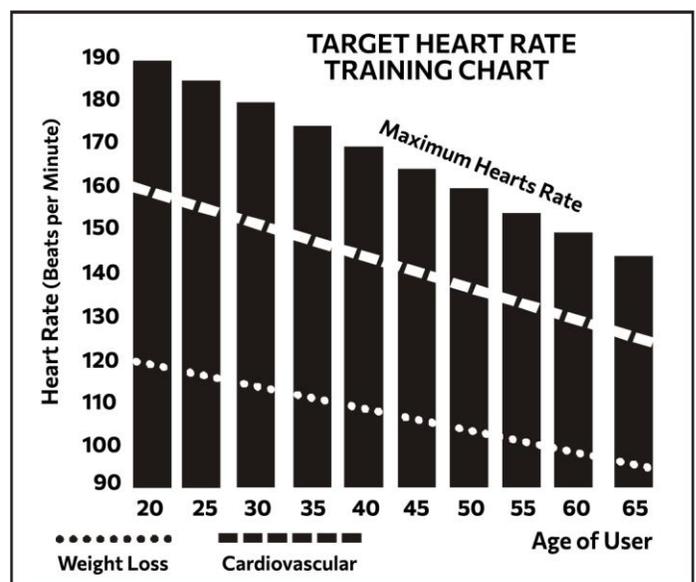
(60% of maximum)

$$180 \times .8 = 144 \text{ beats per minute}$$

(80% of maximum)

So, for a 40-year-old, the training zone would be 108 to 144 beats per minute.

If you enter your age during programming the console will perform this calculation automatically. Entering your age is used for the Heart Rate programs. After calculating your MHR you can decide upon which goal you would like to pursue.



The two most popular reasons for, or goals, of exercise, are cardiovascular fitness (training for the heart and lungs) and weight control. The black columns on the chart above represent the MHR for a person whose age is listed at the bottom of each column. The training heart rate, for either cardiovascular fitness or weight loss, is represented by two different lines that cut diagonally through the chart. A definition of the lines' goal is in the bottom left-hand corner of the chart. If your goal is cardiovascular fitness or if it is weight loss, it can be achieved by training at 80% or 60% respectively, of your MHR on a schedule approved by your physician. Consult your physician before participating in any exercise program.

With all Heart Rate program treadmills, you may use the heart rate monitor feature without using the Heart Rate program. This function can be used during manual mode or any of the nine different programs. The Heart Rate program automatically controls incline.

HEART RATE - PERCEIVED EXERTION

Heart rate is important but listening to your body also has a lot of advantages. There are more variables involved in how hard you should work out than just heart rate. Your stress level, physical health, emotional health, temperature, humidity, the time of day, the last time you ate and what you ate, all contribute to the intensity at which you should workout. If you listen to your body, it will tell you all of these things.

The rate of perceived exertion (RPE), also known as the Borg scale, was developed by Swedish physiologist G.A.V. Borg. This scale rates exercise intensity from 6 to 20 depending upon how you feel or the perception of your effort.

The scale is as follows:

Rating Perception of Effort

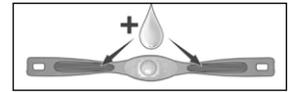
- 6 Minimal
- 7 Very, very light
- 8 Very, very light +
- 9 Very light
- 10 Very light +
- 11 Fairly light
- 12 Comfortable
- 13 Somewhat hard
- 14 Somewhat hard +
- 15 Hard
- 16 Hard +
- 17 Very hard
- 18 Very hard +
- 19 Very, very hard
- 20 Maximal

You can get an approximate heart rate level for each rating by simply adding a zero to each rating. For example, a rating of 12 will result in an approximate heart rate of 120 beats per minute. Your RPE will vary depending on the factors discussed earlier. That is the major benefit of this type of training. If your body is strong and rested, you will feel strong, and your pace will feel easier. When your body is in this condition, you are able to train harder and the RPE will support this. If you are feeling tired and sluggish, it is because your body needs a break. In this condition, your pace will feel harder. Again, this will show up in your RPE and you will train at the proper level for that day.

USING HEART RATE TRANSMITTER (OPTIONAL)

How to wear your wireless chest strap transmitter:

1. Attach the transmitter to the elastic strap using the locking parts.
2. Adjust the strap as tightly as possible as long as the strap is not too tight to remain comfortable.
3. Position the transmitter with the logo centered in the middle of your torso facing away from your chest (some people must position the transmitter slightly left of center). Attach the end of the elastic strap by inserting the round end and, using the locking parts, secure the transmitter and strap around your chest.



4. Position the transmitter directly below the pectoral muscles.
5. Sweat is the best conductor to measure very minute heartbeat electrical signals. However, plain water can also be used to pre-wet the electrodes (2 ribbed oval areas on the reverse side of the belt and both sides of the transmitter). It's also recommended that you wear the transmitter strap a few minutes before your workout. Some users, because of body chemistry, have a more difficult time achieving a strong, steady signal at the beginning. After "warming up", this problem lessens. As noted, wearing clothing over the transmitter/strap doesn't affect performance.
6. Your workout must be within range - distance between transmitter/receiver - to achieve a strong steady signal. The length of the range may vary somewhat but generally stay close enough to the console to maintain good, strong, reliable readings. Wearing the transmitter directly on bare skin assures you of proper operation. If you wish, you may wear the transmitter over a shirt. To do so, wet the areas of the shirt that the electrodes will rest upon.

Note: The transmitter is automatically activated when it detects activity from the user's heart.

Additionally, it automatically deactivates when it does not receive any activity. Although the transmitter is water resistant, moisture can have the effect of creating false signals, so you should take precautions to completely dry the transmitter after use to prolong battery life (estimated transmitter battery life is 2500 hours). The replacement battery is Panasonic CR2032.

Erratic Operation

Caution! Do not use this treadmill for Heart Rate programs unless a steady, solid Actual Heart Rate value is being displayed. High, wild, random numbers being displayed indicate a problem.

Areas to look for interference which may cause erratic heart rate:

1. Microwave ovens, TVs, small appliances, etc.
2. Fluorescent lights.
3. Some household security systems.
4. Perimeter fence for a pet.
5. Some people have problems with the transmitter picking up a signal from their skin. If you have problems, try wearing the transmitter upside down. Normally the transmitter will be oriented so the Spirit Fitness logo is right side up.
6. The antenna that picks up your heart rate is very sensitive. If there is an outside noise source, turning the whole machine 90 degrees may de-tune the interference.
7. Another Individual wearing a transmitter within 3' of your machine's console.

If you continue to experience problems, contact your dealer.

MAINTENANCE & CARE

POST-WORKOUT TREADMILL CARE

1. Store your machine according to the folding instructions when not in use.
2. Use a slightly damp cloth to clean areas where sweat or oil made contact with the machine.
3. Use a microfiber cloth to clean the touchscreen and remove unwanted oils and other things that may damage the screen.
4. Avoid leaving paper or other small debris in the cupholders.

GENERAL CLEANING

Dirt, dust, and pet hair can block air inlets and accumulate on the running belt. Please vacuum underneath your treadmill every month to prevent excess build-up of dirt that can get sucked up and get into the inner workings under the motor cover. Every other month, you should remove the motor cover and carefully vacuum out dirt and hair that may accumulate.

UNPLUG THE POWER CORD BEFORE THIS TASK.

SANITIZING YOUR FITNESS EQUIPMENT

- Upholstered high-contact surfaces (hard plastics) can be sanitized using a 75% isopropyl alcohol solution and a clean, dry cloth. Spray surfaces to be sanitized and use a dry cloth to wipe clean. Allow surfaces to dry before using.
- For upholstered or soft-plastic surfaces, use a conditioner after sanitizing. Be sure to follow the instructions provided by the conditioner manufacturer to ensure proper use of the conditioner.
- Alternatively, you can make your spray by mixing the proper ratio of isopropyl alcohol and distilled water to reach a 75% solution.

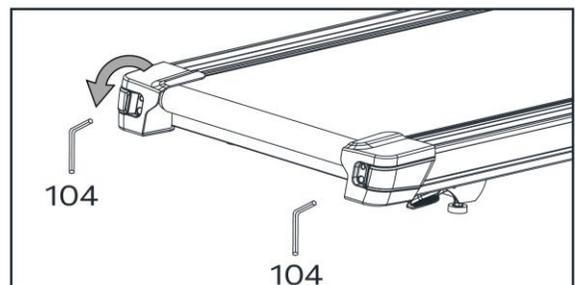
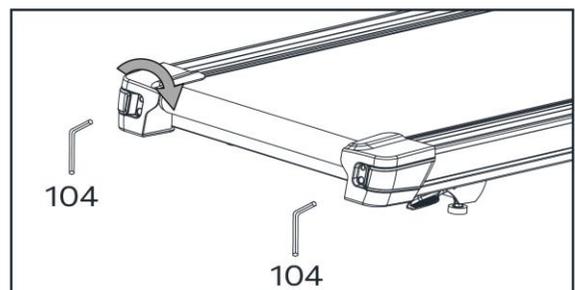
TREADBELT TRACKING ADJUSTMENT

The treadmill is designed so that the tread-belt remains reasonably centered while in use. It is normal for some belts to drift near one side while in use, depending on a user's gait and if they favour one leg. But if during use the belt continues to move toward one side, adjustments are necessary.

SETTING TREAD-BELT TRACKING

A 6 mm Allen wrench is provided for this adjustment. Make tracking adjustments on the left side bolt. Set belt speed at 3 mph (5 kmph). Be aware that a small adjustment can make a dramatic difference which may not be apparent right away.

If the belt is **too close to the left side**, then turn the bolt only a 1/4 turn to the right (clockwise) and wait a few minutes for the belt to adjust itself. Continue to make a 1/4 turn until the belt stabilizes in the center of the running deck.

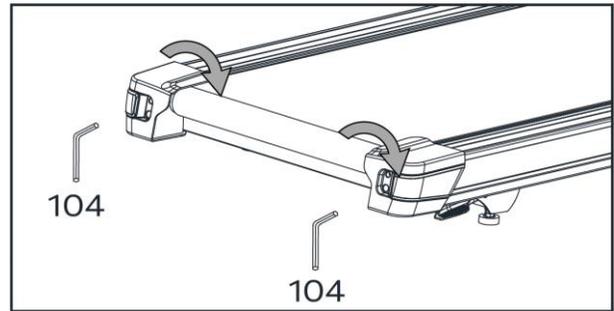


If the belt is **too close to the right side**, turn the bolt counterclockwise. The belt may require periodic tracking adjustment depending on use and walking/running characteristics. Some users may affect tracking differently. Expect to make adjustments as required to center the tread-belt. Adjustments will become less of a maintenance concern as the belt is used. Proper belt tracking is an owner responsibility common with all treadmills.

DAMAGE TO THE RUNNING BELT RESULTING FROM IMPROPER TRACKING / TENSION ADJUSTMENTS IS NOT COVERED UNDER THE WARRANTY

BELT ADJUSTMENTS

Tread-belt Tension Adjustment - Belt tension is not critical for most users. It is very important though for joggers and runners to provide a smooth, steady running surface. Adjustments must be made from the rear roller with the 6mm Allen wrench provided in the parts package. The adjustment bolts are located at the end of the step rails as shown in the diagram below.



Tighten the rear roller only enough to prevent slippage at the front roller. Turn the tread-belt tension adjusting bolts 1/4 turn each and inspect for proper tension by walking on the belt and making sure it is not slipping or hesitating with each step. When an adjustment is made to the belt tension, you must be sure to turn the bolts on both sides evenly or the belt could start tracking to one side instead of running in the middle of the deck.

DO NOT OVERTIGHTEN – Over-tightening will cause belt damage and premature bearing failure. If you tighten the belt a lot and it still slips, the problem could be the drive belt - located under the motor cover - that connects the motor to the front roller. If that belt is loose it feels similar to the walking belt being loose. Tightening the motor belt should be done by a trained service person.

BELT / DECK GENERAL MAINTENANCE

Your treadmill uses a very high-efficient and proprietary deck combination. Performance is maximized when the deck is kept as clean as possible. Use a soft, damp cloth, or paper towel, to wipe the edge of the belt and the area between the belt edge and the frame. Also, reach as far as practical directly under the belt edge. This should be done once a month to extend belt and deck life. A mild soap and water solution along with a nylon scrub brush will clean the top of the textured belt. Allow to dry before using.

If the original side of the deck shows significant wear, it needs to be flipped. Contact your service technician for assistance. Do not apply any type of lubricant or wax to the surface.

BELT AND DECK CLEANING & CALIBRATION PROCEDURE

Belt & Deck Cleaning

To clean your treadmill belt:

1. Ensure that your machine is off and that the power cord is unplugged to minimize the risk of injury.
2. Grab one edge of the treadmill belt, and lift slightly to expose the area between the top of the treadmill base and the running belt.
3. Do a visual check for any dirt or debris accumulation.
4. Should dirt and debris be present, slide a towel or cleaning cloth between the treadmill belt and the top of the treadmill base until you can grasp one end on each side. (The cleaning cloth should be longer than the running belt is wide to achieve this.)
5. Using both hands, drag the cleaning cloth up and down the length of the treadmill base 1-2 times.
6. For excessive dirt accumulation, rotate the belt halfway, and repeat step 5. Continue until your cleaning cloth is no longer picking up any dirt.
7. Remove the cleaning cloth from the treadmill before plugging it back in.

Calibration Procedure

1. Remove the Safety Key.
2. Press and hold **Start** and **Speed +** buttons and at the same time replace the Safety Key. Continue to hold **Start** and **Speed** keys until the window displays "Factory settings", then press the **Enter** key.
3. You will now be able to set the display to show Metric or English settings (Miles vs. Kilometers). To do this, press the **incline +/-** key to show which you want, then press **Enter** (The maximum speed value is displayed in the speed window, and the maximum elevation value is displayed in the incline window.)
4. Adjust the maximum speed (if needed) to 12.0 mph and then press **Enter**.
5. Adjust the minimum speed (if needed) to 0.5 mph and then press **Enter**.
6. Make sure the wheel size diameter is 3.01 then press **Enter**.
7. Grade return – On (This allows the incline to return to zero when the **Stop** button is pressed. For sale in Europe, EU standards require this to be off)
8. Press the **Start** button to begin calibration. The process is automatic; the speed will start up without warning, so do not stand on the belt.

Adjusting The Speed Sensor

If the calibration does not pass you may need to check the speed sensor alignment.

1. Remove the motor cover hood by loosening the 4 screws that hold it in place (you do not need to remove them completely).
2. The speed sensor is located on the left side of the frame, right next to the front roller pulley (the pulley will have a belt around it that also goes to the motor). The speed sensor is small and black with a wire connected to it.
3. Make sure the sensor is as close as possible to the pulley without touching it. You will see a magnet on the face of the pulley; make sure the sensor is aligned with the magnet. There is a screw that holds the sensor in place that needs to be loosened to adjust the sensor. Re-tighten the screw when finished.

Engineering Mode Menu

The console has built-in maintenance/diagnostic software. The software will allow you to change the console settings from English to Metric and turn off the beeping of the speaker when a key is pressed for example. To enter the Engineering Mode Menu, press and hold down the **Start, Stop** and **Enter** keys. Keep holding the keys down for about 5 seconds and the Message Center will display Engineering Mode Menu. Press the **Enter** key to access the menu below:

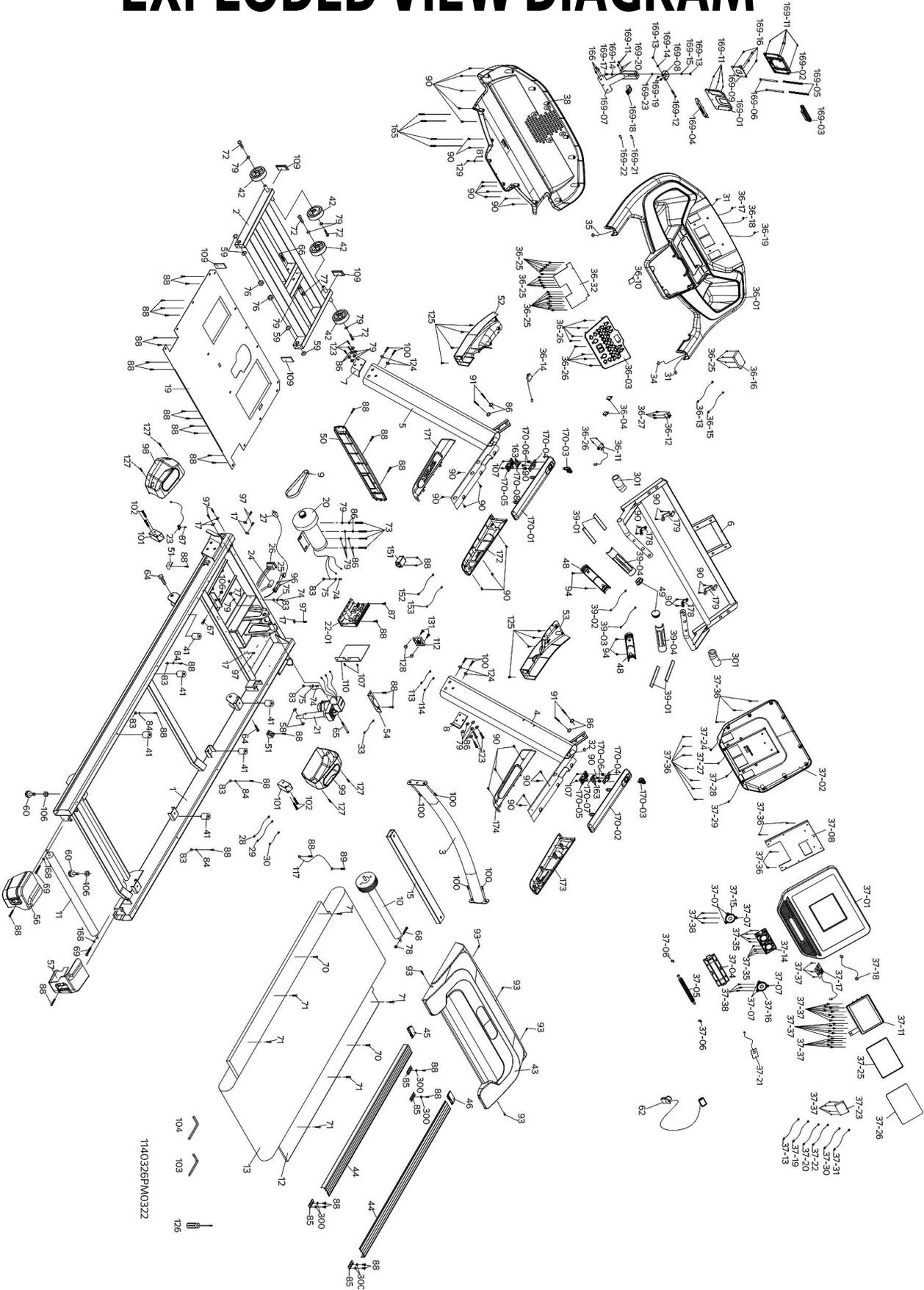
1. Key Test (Will allow you to test all the keys to make sure they are functioning)
2. Display Test (Tests all the display functions)
3. Functions (Press Enter to access settings and Speed + or- arrow to scroll)
 - Sleep Mode (Turn on to have the console power down automatically after 15 minutes of inactivity)
 - Pause Mode (Turn on to allow 5 minutes of pause, turn off to have the console pause indefinitely)
 - Maintenance
 - Units (Sets the display to readout in English or Metric display measurements)
 - BEEP (After closing, there is no sound for key operation)
4. Child Lock (Allows you to lock the keypad so no unauthorized use of the machine is allowed. When the child lock is enabled, the console will not allow the keypad to operate unless you press and hold the Child Lock buttons for 3 seconds to unlock the console.)
5. Exit

SERVICE CHECKLIST - DIAGNOSIS GUIDE

Before contacting your dealer for aid, please review the following information. It may save you both time and expense. This list includes common problems that may not be covered under the treadmill's warranty.

PROBLEM	SOLUTION/CAUSE
The display does not light	<ol style="list-style-type: none"> 1. The circuit breaker on the front grill tripped. Push the circuit breaker in until it locks. 2. Plug is disconnected. Make sure the plug is firmly pushed into 120 VAC wall outlet and into the frame of the unit. 3. The breaker panel circuit breaker may be tripped. 4. Treadmill defect. Contact your Spirit Fitness dealer.
Tread-belt does not stay centered The treadmill belt hesitates when walking/running on	The user may be walking while favouring or putting more weight on either the left or right foot. If this walking pattern is natural, track the belt slightly Off-center to the side opposite from the belt movement. See the Maintenance & Care section on Tread-belt Tension and tracking Adjust as necessary.
The motor is not responsive after pressing the start	<ol style="list-style-type: none"> 1. If the belt moves but stops after a short time and the display shows "E1", run calibration. 2. If you press Start and the belt never moves, then the display shows E1, contact service.
The treadmill will only achieve approximately 7 mph but shows higher speed on display	This indicates the motor should be receiving power to operate. Low AC voltage to the treadmill. Do not use an extension cord. If an extension cord is required, it should be as short as possible and heavy-duty 14 gauge minimum. Low voltage. Contact an electrician or your Spirit Fitness dealer. A minimum of 120-volt AC current is required.
Tread-belt stops quickly/suddenly when the tether cord is pulled	High belt/deck friction. See the Maintenance & Care section on cleaning the deck.
Treadmill trips on board 15-amp circuit	High belt/deck friction. See the Maintenance & Care section.
The computer shuts off when the console is touched (on a cold day) while walking/running	The treadmill may not be grounded. Static electricity is "crashing" the computer. Refer to Grounding Instructions.
House circuit breaker trips, but not the treadmill circuit breaker	Check that the treadmill is the only object in the circuit. See "Important Electrical Information" in the front of this manual for more details.

EXPLODED VIEW DIAGRAM



1140326PMA0322

PARTS LIST

Key	Part Description	Q'ty
1	Main Frame	1
2	Incline Bracket	1
3	Handrail Support	1
4	Right Upright	1
5	Left Upright	1
6	Console Support	1
7	Gusset (L)	1
8	Gusset (R)	1
9	Drive Belt	1
10	Front Roller W/Pulley	1
11	Rear Roller	1
12	Running Deck	1
13	Running Belt	1
15	Deck Cross Brace	1
17	Wire Tie Mount	6
19	Frame Cover	1
20	Drive Motor	1
21	Incline Motor	1
22-01	Motor Controller	1
23	1200m/m_Sensor W/Cable	1
24	Breaker	1
25	Power Socket	1
26	On/Off Switch	1
27	Power Cord	1
28	70m/m_Connecting Wire (Black)	1
29	150m/m_Connecting Wire (White)	1
30	150m/m_Connecting Wire (Black)	1
31	800m/m_Computer Cable (Middle&Upper)	1
32	1250m/m_Computer Cable (Middle)	1
33	550m/m_Computer Cable	1
34	800m/m_Speed Cable (Upper)	1
35	800m/m_Incline Cable (Upper)	1
36	Console Top Cover(big)	1
37	Console Assembly (Top)	1
38	Console Bottom Cover(big)	1
39-01	Handpulse Plate	4
39-02	1100m/m_Handpulse Wire (WHITE)	1
39-03	1100m/m_Handpulse Wire (RED)	1
39-04	Handpulse Top Cover	2
41	Cushion	6
42	Transportation Wheel	4
43	Motor Top Cover	1
44	Aluminum Foot Rail	2
45	Foot Rail Cap (L)	1

Key	Part Description	Q'ty
46	Foot Rail Cap (R)	1
48	Handpulse Bottom Cover	2
49	Handpulse End Cap	2
50	Front Motor Cover	1
51	Motor Cover Anchor(D)	2
52	Upright Cover(L)	1
53	Upright Cover(R)	1
54	Fan Mounting Plate	1
56	Adjustment Base (L)	1
57	Adjustment Base (R)	1
58	Ø25×Ø10×3T_Nylon Washer (A)	2
59	Ø50 × Ø13 × 3T_Nylon Washer (B)	4
60	Adjustment Foot Pad	2
62	Square Safety Key	1
64	1/2" × 57mm_Hex Head Bolt	2
65	3/8" × 4-1/2" _Socket Head Cap Bolt (Alloy Steel)	1
66	3/8" × 4" _Socket Head Cap Bolt (Alloy Steel)	1
67	3/8" × 1-3/4" _Hex Head Bolt	1
68	M8 × 60mm_Hex Head Bolt	1
69	M8 × 80mm_Socket Head Cap Bolt	2
70	M8 × 55mm_Flat Head Countersink Bolt	2
71	M8 × 35mm_Flat Head Countersink Bolt	6
72	3/8" × 3/4" _Button Head Socket Bolt	4
73	3/8" × 1-1/4" _Hex Head Bolt	4
74	M5 × 10mm_Phillips Head Screw	3
75	Ø5 × 1.5T_Split Washer	3
76	1/2" × 15T_Nylon Nut	2
77	3/8" × 7T_Nylon Nut	2
78	M8 × 7T_Nylon Nut	1
79	Ø3/8" × Ø19 × 1.5T_Flat Washer	16
81	Ø6.5 × Ø16 × 1.0T_Flat Washer	1
83	M5_Star Washer	7
84	Ø6 × Ø23 × Ø13 × 5.5T × 3T_Nylon Dished	4
85	Ø5.5 × 27 × 60 × 1.5T × 3.5H_Concave Washer	4
86	Ø10 × 2.0T_Split Washer	14
87	5 × 19mm_Tapping Screw	2
88	Ø5 × 16L_Tapping Screw	38
89	4 × 12mm_Sheet Metal Screw	1
90	3.5 × 16mm_Sheet Metal Screw	37
91	3/8" × 1-1/2" _Button Head Socket Bolt	4
93	5 × 16mm_Tapping Screw	5
94	M3 × 15mm_Tapping Screw	4
96	3 × 10mm_Sheet Metal Screw	2
97	3.5 × 16mm_Tapping Screw	6
98	Console Mast Side Cap (L)	1
99	Console Mast Side Cap (R)	1

Key	Part Description	Q'ty
100	5/16" × 3/4" _Button Head Socket Bolt	8
101	Fixing Plate Stabilizer	2
102	3/8" × 2-1/4" _Flat Head Socket Bolt	4
103	Combination Allen Wrench & Phillips Head Screwdriver	1
104	L Allen Wrench	1
106	3/8" × 7T _Nut	3
107	3 × 10mm _Sheet Metal Screw	6
109	Square End Cap	4
110	Controller Back Plate	1
112	Fan	1
113	400m/m _Motor Fan Connecting Cable-White	1
114	400m/m _Motor Fan Connecting Cable-Black	1
117	600m/m _Ground Wire	1
123	3/8" × 2-1/2" _Button Head Socket Bolt	6
124	Ø8 × 23 × 1.5T _Curved Washer	4
125	Ø3.5 × 16L _Sheet Metal Screw	8
126	Phillips Head Screwdriver	1
127	M5 × 10mm _Phillips Head Screw	4
128	M4 × 5T _Nylon Nut	2
129	3.5 × 20mm _Sheet Metal Screw	1
131	M4 × 35mm _Phillips Head Screw	2
151	Filter	1
152	250m/m _Connecting Wire (White)	1
153	250m/m _Connecting Wire (Black)	1
163	2 × 10mm _Sheet Metal Screw	8
165	M5 × 45mm _Phillips Head Screw	4
166	M5 × 25mm _Phillips Head Screw	3
168	Ø8.5 × Ø16 × 1.5T _Flat Washer	2
169-01	Tablet Holder Front Cover	1
169-02	Tablet Holder Rear Cover	1
169-03	Tablet Holder Cover (Top clip)	1
169-04	Tablet holder Cover (Bottom clip)	1
169-05	Spring	2
169-06	spring column	2
169-07	IPAD Tablet Holder Assembly	1
169-08	Rotate Axle Bracket	1
169-09	Console Holder Assembly	1
169-11	3.5 × 12mm _Sheet Metal Screw	9
169-12	5/16" × 2-1/2" _Hex Head Bolt	1
169-13	5/16" × 6T _Nylon Nut	2
169-14	Ø5/16" × 16 × 1.5T _Flat Washer	2
169-15	Ø8 × 1.5T _Split Washer	1
169-16	M5 × 12mm _Phillips Head Screw	4
169-17	5/16" × 15mm _Hex Head Bolt	1
169-18	Fixed block	1
169-19	8.2 × 16 × 0.6T _Flat Washer	2

Key	Part Description	Q'ty
169-20	Ø4 × 14 × 1T_Flat Washer	2
169-21	Foam One-sided Glue(28mm×9mm×4T)	1
169-22	Foam One-sided Glue(25mm×25mm×4T)	1
169-23	Pad	1
170	Handlebar Assembly	1
171	Handlebar Cover Outer(L)	1
172	Handlebar Cover Inner(L)	1
173	Handlebar Cover Outer(R)	1
174	Handlebar Cover Inner(R)	1
178	Anchor	2
179	Anchor	2
300	Rubber gasket	6
301	Handgrip Foam	2

MANUFACTURER'S LIMITED WARRANTY

TREADMILL WARRANTY

Dyaco Canada Inc. warrants all its Spirit treadmill for a period of time listed below, from the date of retail sale, as determined by a sales receipt. Dyaco Canada Inc.'s responsibilities include providing new or remanufactured parts, at Dyaco Canada Inc.'s option, and technical support to our independent dealers and servicing organizations. In the absence of a dealer or service organization, these warranties will be administered by Dyaco Canada Inc. directly to a consumer. The warranty period applies to the following components:

Frame Weldments	Lifetime
Drive Motor	Lifetime
Deck	Lifetime
All Other Components	10 Years
Labour	1 Year
Console	2 Years

NORMAL RESPONSIBILITIES OF THE CONSUMER

This warranty applies only to products in ordinary household use, and the consumer is responsible for the items listed below:

1. The warranty registration can be completed online: Go to www.dyaco.ca/warranty and complete the online warranty registration.
2. Proper use of the treadmill in accordance with the instructions provided in this manual, including belt tracking.
3. Proper installation in accordance with instructions provided with the treadmill and with all local electric codes.
4. Proper connection to a grounded power supply of sufficient voltage, replacement of blown fuses, repair of loose connections or defects in house wiring.
5. Expenses for making the treadmill accessible for servicing, including any item that was not part of the treadmill at the time it was shipped from the factory.
6. Damages to the treadmill finish during shipping, installation or following the installation.
7. Routine maintenance of this unit as specified in this manual.

EXCLUSIONS

This warranty does not cover the following:

1. CONSEQUENTIAL, COLLATERAL, OR INCIDENTAL DAMAGES SUCH AS PROPERTY DAMAGE AND INCIDENTAL EXPENSES RESULTING FROM ANY BREACH OF THIS WRITTEN OR IMPLIED WARRANTY.

Note: Some areas do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you.

2. Service call reimbursement to the consumer. Service call reimbursement to the dealer that does not involve malfunction or defects in workmanship or material, for units that are beyond the warranty period, for units that are beyond the service call reimbursement period, for treadmill not requiring component replacement, or treadmill not in ordinary household use.
3. Damages caused by services performed by persons other than authorized Dyaco Canada Inc. service companies; use of parts other than original Dyaco Canada Inc. parts; or external causes such as corrosion, discoloration of paint or plastic, alterations, modifications, abuse, misuse, accident, improper maintenance, inadequate power supply, or acts of God.
4. Products with original serial numbers that have been removed or altered.
5. Products that have been sold, transferred, bartered, or given to a third party.
6. Products that do not have a warranty registration card on file at Dyaco Canada Inc. Dyaco Canada Inc. reserves the right to request proof of purchase if no warranty record exists for the product.
7. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE.
8. Product use in any environment other than a residential setting.
9. Warranties outside of North America may vary. Please contact your local dealer for details.

SERVICE

Keep your bill of sale. The labour period is twelve (12) months from the date on the bill of sale. If service is performed, it is in your best interest to obtain and keep all receipts. This written warranty gives you specific legal rights. You may also have other rights that vary in different areas.

Service under this warranty must be obtained by following these steps, in order:

1. Contact your selling authorized SPIRIT dealer.
2. If you have any questions about your new product or questions about the warranty contact Dyaco Canada Inc. at 1-888-707-1880.
3. If no local service is available, Dyaco Canada Inc. will repair the parts, at Dyaco Canada Inc.'s option, within the warranty period at no charge for parts. All transportation costs, both to our factory and upon return to the owner, are the responsibility of the owner. The owner is responsible for adequate packaging upon return to Dyaco Canada Inc. Dyaco Canada Inc. is not responsible for damages that occur during shipping. Make all freight damage claims with the appropriate freight carrier. DO NOT SHIP ANY UNIT TO OUR FACTORY WITHOUT A RETURN AUTHORIZATION NUMBER. All units arriving without a return authorization number will be refused.
4. For any further information, or to contact our service department by mail, send your correspondence to:

Dyaco Canada Inc.
5955 Don Murie Street
Niagara Falls, ON
L2G 0A9

Product features or specifications as described or illustrated are subject to change without notice. All warranties are made by Dyaco Canada Inc.

dyaco

Please visit us online for information about our other brands and products manufactured and distributed by Dyaco Canada Inc.

SPIRIT

spiritfitness.ca

X XTERRA
FITNESS

xterrafitness.ca

UFC

dyaco.ca/UFC/UFC-home.html

agio.
life begins
outdoors.

agiocanada.ca

SOLE
FITNESS

solefitness.ca

EVERLAST

dyaco.ca/everlast.html

Cikada

cikada.ca

TRAINOR
SPORTS

trainorsports.ca

For more information, please contact Dyaco Canada Inc.
T: 1-888-707-1880 | 5955 Don Murie St., Niagara Falls, Ontario L2G 0A9 | sales@dyaco.ca

Dyaco Canada Inc. dyaco.ca