



Cybex Arc Trainer® 425A
Owner's Manual
Cardiovascular Systems
Part Number 5425A-4 T



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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 orders to 508-533-5183 or contact Cybox Customer Service at 888-462-9239
- or contact Cybox Customer Service at 508-533-4300.

Find information on the web at www.cyboxinternational.com or by e-mail at 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 B 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.

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1 - Safety

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

Important Voltage Information

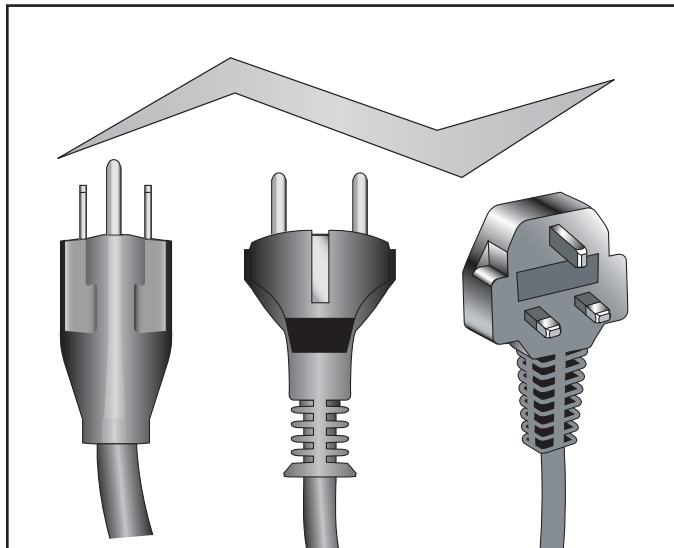
Before plugging the power cord into an electrical outlet, verify that the voltage requirements for your area match the voltage of the unit that you have received. The power requirements for the unit include a grounded circuit, rated for one of the following: 115 VAC \pm 5%, 50/60 Hz and 15 amps; or 230 VAC \pm 10%, 50/60 HZ and 10 amps. See the voltage requirement decal for the exact voltage requirements of your unit.



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

Grounding Instructions

This unit must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. 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.



AW-19624
115 VAC
AW-19627
100 VAC

AW-19625
230 VAC

AW-19626
230 VAC



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 you are in doubt as to whether the unit 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 unit is for use on a nominal 115 VAC \pm 5%, 50/60 Hz and 15 amps; or 230 VAC \pm 10%, 50/60 Hz and 10 amps and a grounded circuit. Make sure that the unit 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.

Important Safety Instructions

(Save These Instructions)



DANGER: *To reduce the risk of electric shock, always unplug this unit 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

- Keep children away. Teenagers and disabled must be supervised. Tenez les enfants éloignés. Les adolescents et les handicapés doivent être surveillés.
- Obtain instruction before using. Lisez les instructions avant l'utilisation.
- Wait until foot plates come to a complete stop before dismounting. Attendre l'arrêt complet des repose pieds avant de descendre.
- Obtain a medical exam before beginning any exercise program.
- Stop exercising if you feel faint, dizzy, or experience pain.
- Read and understand the Owner's Manual and all warnings posted on the unit before using.
- DO NOT wear loose or dangling clothing while using.
- Keep all body parts, towels, and the like free and clear of moving parts.
- Use the handles for support and to maintain balance.
- DO NOT use the unit if you exceed 350 lbs. (160 kg). This is the rated maximum user weight.
- Replace any warning labels if damaged, worn or illegible.
- Report any malfunctions, damage or repairs to the facility.

Facility Safety Precautions

- Make sure all user and safety precautions are observed.
- Read and understand the Owner's Manual completely before using the unit.
- Make sure all users are properly trained on how to use the equipment.
- Make sure that each machine is set up and operated on a solid level surface. Do not install equipment on an uneven surface.

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- Make sure there is enough room for safe access and operation of the equipment.
- Perform regular maintenance checks on the equipment. Also pay close attention to all areas most susceptible to wear, including (but not limited to) cables, pulleys, belts and grips.
- Immediately replace worn or damaged components. If unable to immediately replace worn or damaged components then remove from service until the repair is made.
- Do not attempt repairs, electrical or mechanical. Seek qualified repair personnel when servicing. If you live in the USA, contact Cybex Customer Service at 888-462-9239. If you live outside the USA, contact Cybex Customer Service at 508-533-4300.
- Disconnect all power before servicing the unit.
- Keep a repair log of all maintenance activities.
- Use only Cybex supplied components to maintain/repair the equipment.
- Do not use attachments unless recommended for the unit by Cybex.
- Do not operate the unit if: (1) the cord is damaged; (2) the unit is not working properly or (3) if the unit has been dropped or damaged. Seek service from a qualified technician.
- Do not operate electrically powered units in damp or wet locations.
- Do not operate the unit around or where aerosol (spray) or where oxygen products are being used.
- Do not use the unit outdoors.

NOTE: *It is the sole responsibility of the user/owner or facility operator to ensure that regular maintenance is performed.*

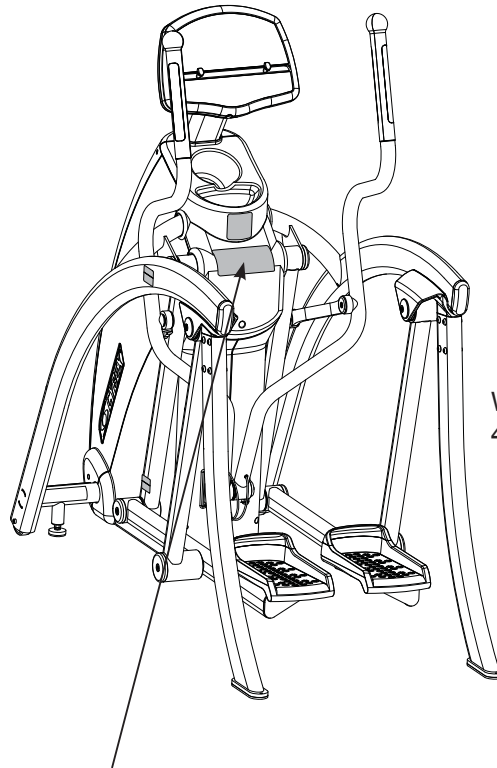


Warning Decals

Carefully read and understand the following before using the unit:

NOTE: To replace any worn or damaged decals do one of the following: Fax orders to 508-533-5183 or contact Cybox Customer Service at 888-462-9239. If you live outside of the USA, call 508-533-4300.

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



Warning decal part number
425A-495-4

WARNING

**SERIOUS INJURY
COULD OCCUR IF
THESE PRECAUTIONS
ARE NOT OBSERVED**

Keep children away. Teenagers and disabled must be supervised. *Tenez les enfants éloignés. Les adolescents et les handicapés doivent être surveillés.*

Obtain instruction before using. *Lisez les instructions avant l'utilisation.*

Wait until foot plates come to a complete stop before dismounting. *Attendez l'arrêt complet des repose pieds avant de descendre.*

Obtain a medical exam before beginning any exercise program.

Stop exercising if feeling faint, dizzy, or experiencing pain.

Keep foot plate surface clean and dry.

Read and understand the Owner's Manual and all warnings posted on the unit before using. 

DO NOT wear loose or dangling clothing while using.

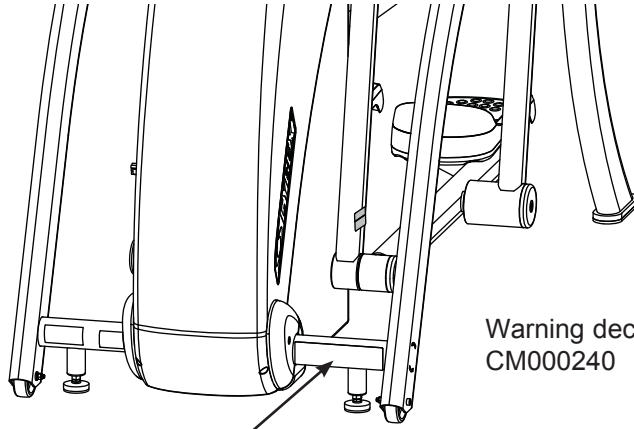
Keep all body parts, towels, and the like free and clear of moving parts.

Use handles for support and to maintain balance.

DO NOT use unit if user exceeds 350 lbs. (160 kg). This is the rated maximum user weight.

Replace any warning labels if damaged, worn or illegible.

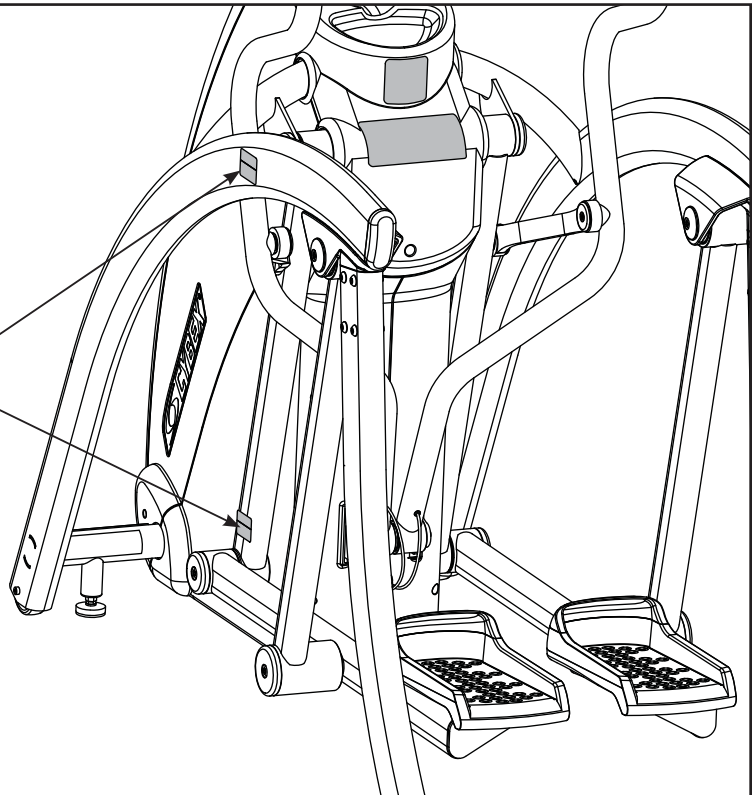
Report any malfunctions, damage or repairs to the facility. 425A-495-4 B

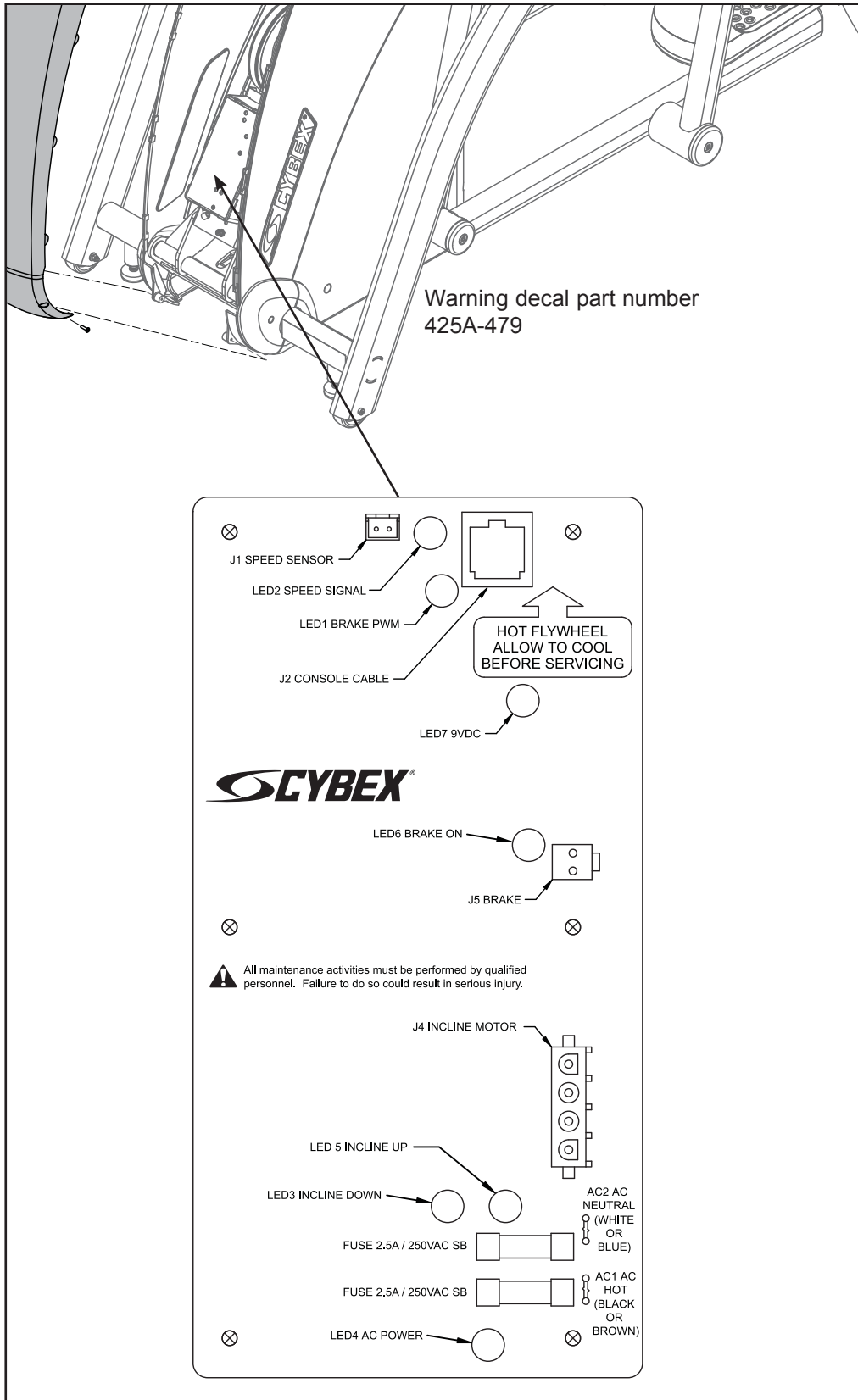


Warning decal part number
CM000240

 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.	ОТКЛЮЧИТЕ ПИТАНИЕ, ПРЕЖДЕ ЧЕМ ПРИСТУПАТЬ К ОБСЛУЖИВАНИЮ.	CM000240 F

Warning decal part number
DE-17219-4 (Both Sides)

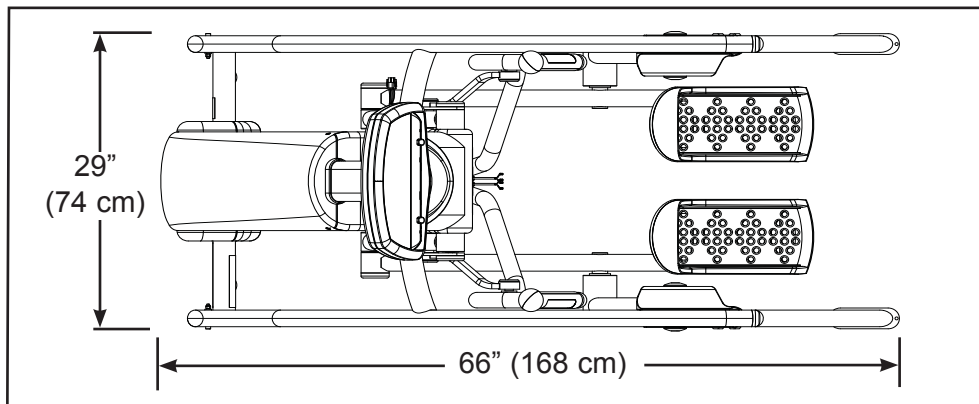




2 - Technical Specifications

Specifications

Length:	66" (168 cm).
Width:	29" (74 cm).
Height:	40" (102 cm).
Weight of Product:	380 lbs. (204 kg).
Shipping Weight:	420 lbs. (215 kg).
Incline Levels:	11 (Represented by 0-10 in increments of 1).
Resistance Levels:	81 (Represented by 0-80% in increments of 1).
Stride Length:	23" (58 cm) fixed length.
Programs:	Quick Start plus Manual, Weight Loss, Cardio, Speed Interval 1, Speed Interval 2, Hills Interval, Valleys, Ramps, Hills and Calorie Goal.
Console Features:	Upper console: Dot Matrix of program, large .62" LED display of distance, calories, calories per hour, METS, Watts, strides per minute and heart rate. Lower Console: LED display of resistance and dual function display of time and incline.
Heart Rate Features:	Built-in wireless heart rate receiver (transmitter not included) and contact heart rate monitoring.
Frame Colors:	Standard: White texture, black texture, metaltone gold, black chrome, platinum sparkle. Custom: Unlimited colors available.
Resistance Range:	600 watt.
Maximum User Weight:	350 lbs. (160 kg).
Power Rating:	115 VAC 50/60 Hz 2A (230 VAC 50/60 Hz 1 amp).
Outlet Rating:	4 amps (or 5 amps outside of the United States).
Power Requirement:	A grounded circuit and one of the following: <ul style="list-style-type: none">• 115 VAC \pm5%, 50/60 Hz and 15 amps,• 230 VAC \pm10%, 50/60 Hz and 10 amps.
Options:	Channel and volume controls on lower switch membrane for embedded A/V.



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3 - Operation

Read and understand all instructions and warnings prior to using the Unit. See all of the safety related information located in chapter 1.

Terms and Symbols Used

This section lists some of the common terms and symbols used in this chapter. Other terms and symbols are listed in this chapter as appropriate.

Dormant Mode - This occurs when the unit is plugged in and not in use. The control panel will display a beating heart when the unit is in *Dormant Mode*.

Program Setup Mode - This begins after pressing any program key. Upon entering a program the LEDs flash, prompting the user to adjust the appropriate settings.

Active Mode - This begins immediately after pressing the **Quick Start** key (*Manual Mode*), or after the *Program Setup Mode*. The beginning of *Active Mode* is marked by the 3 second countdown. *Active Mode* continues until you reach the end of a program or press the **Pause/end** key.

Quick Start - This begins by pressing the **Quick Start** key. **Quick Start** skips the *Program Setup Mode* and begins immediately in *Manual Mode*.

Manual Mode - This begins immediately after pressing the **Quick Start** key or after pressing the **Manual** program key. In *Manual Mode* you can customize your workout **Resistance** and **Time** and enter your **Weight** by pressing those keys. **NOTE:** *Manual Mode features differ from the Manual Program. See the Manual section in this chapter.*

Workout Review - This begins after pressing the **Pause/end** key once, at the end of a program or when you stop striding for 25 seconds. The workout statistics accumulated during the previous workout session will display for 20 seconds (default setting) or until **Pause/end** is pressed again. **NOTE:** *You can change the 20 second default. See Setting Operation Options in chapter 5.*

Pause Mode - This begins when the you stop striding for 25 seconds or when you press **Pause/end** once. While in *Workout Review* you can press the **Quick Start** key to resume your workout in *Manual Mode*. The time, calories burned and other accumulated data is remembered and added to.

∧ ∨- These keys adjust **Time**, **Level** or **Weight** up or down.

∧ ∨- These keys adjust **Incline** higher or lower..

+ - - These keys adjust **Resistance** up (+) or down (-).

Quick Operation Guide

NOTE: Maximum user weight is 350 lbs. (160 kg).

The following is a quick overview of the operation of the unit. For more information read *Detailed Operation Guide* in this chapter. **NOTE:** Times specified in this chapter reflect the unit's defaults. To change the defaults see *Setting Operation Options* in chapter 5.

1. Hold the handles to steady yourself while you step into the foot plates.
2. Press any program key to enter a program or press **Quick Start** to skip the settings and begin.
3. If you pressed a program key to select a program, you will now be prompted for workout **Time**, **Weight**, and **Level** as appropriate. Adjust these settings with the \wedge \vee arrows and press **Enter** to proceed. **IMPORTANT: Enter your actual weight.** The **Resistance + -** keys calculate the proper resistance for your weight. Your workout may feel too easy or too difficult if you do not enter your actual weight.
4. The unit begins a countdown, "3...2...1" then the resistance increases to correspond to the program that you selected.
5. Begin striding.
6. Press the **Resistance + -** keys to change the load at any time. The right display will show the current resistance setting.
7. Press the **Incline \wedge \vee** keys to change the incline at any time. The left display will show the current incline setting.
8. Press the **Pause/End** key at any time.



WARNING: Wait until all moving parts come to a complete stop before dismounting.

9. Wait until foot plates come to a complete stop before dismounting the unit. Hold the handles to steady yourself while you step off the unit.

Detailed Operation Guide

NOTE: Maximum user weight is 350 lbs. (160 kg).

1. Plug the power cord into a power outlet on a grounded circuit, rated for one of the following:
115 VAC \pm 5%, 50/60 Hz and 15 amps; or 230 VAC \pm 10%, 50/60 Hz and 10 amps.
2. Hold the handles to steady yourself while you step into the foot plates.

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3. You now have the option to select a program or to select **Quick Start**, skip *Program Setup Mode*, and enter *Manual Mode*.

To select a program, press the program key and continue pressing until program desired is displayed. Upon entering a program the LEDs flash, prompting you to adjust the appropriate settings. This is referred to as *Program Setup Mode*. If the **Quick Start** key is pressed now, all defaults for that program will be accepted. After 10 seconds, if no key has been pressed, the first default will be accepted. After another 10 seconds the second default will be accepted and so on until the last default. The program will not enter *Active Mode* until you press the **Enter** or **Quick Start** key. If no key has been pressed for 20 seconds after displaying the last default, then the unit will return to the *Dormant Mode*.

If you press the **Quick Start** key instead of choosing a program, you will enter *Manual Mode*. **NOTE:** No prompts will occur in *Manual Mode*. While in *Manual Mode*, customize your workout **Resistance** and **Incline** and enter your **Weight** by pressing those keys.

IMPORTANT: Enter your actual weight. The **Resistance + -** keys calculate the proper resistance for your weight. Your workout may feel too easy or too difficult if you do not enter your actual weight. For the most accurate calorie count, you must set your correct weight before beginning your workout (including clothing).

NOTE: Press **Enter** after each adjustment.

When you enter *Program Setup Mode* or *Manual Mode* the unit will rock slightly. This ensures free movement of the unit.

4. The unit begins a countdown, "3...2...1" and sounds a tone for each count. When it reaches one (1) it gives a longer tone. Depending on which program and level you selected, the resistance may begin to increase and the incline may rise or fall.
5. Observe the four displays. (See Figure 1):

The lower left display flashes the actual incline until the desired incline is reached and then reverts to time. During your workout the time will show in the format of minutes:seconds. If your workout exceeds sixty minutes the time format will change to minutes only.

The lower right display shows the user's current resistance.

The top center display begins showing your program profile at the left side.

The center display shows statistics or adjustable settings. This scans (every three seconds) through **Distance, Calories, Calories per Hour, Mets, Watts** and **Strides Per Minute**. Press the **Scan** key to toggle this feature on or off.

NOTE: Heart Rate is scanned only when you are holding the contact heart rate grips or using Polar compatible heart rate transmitter. See Figure 1.

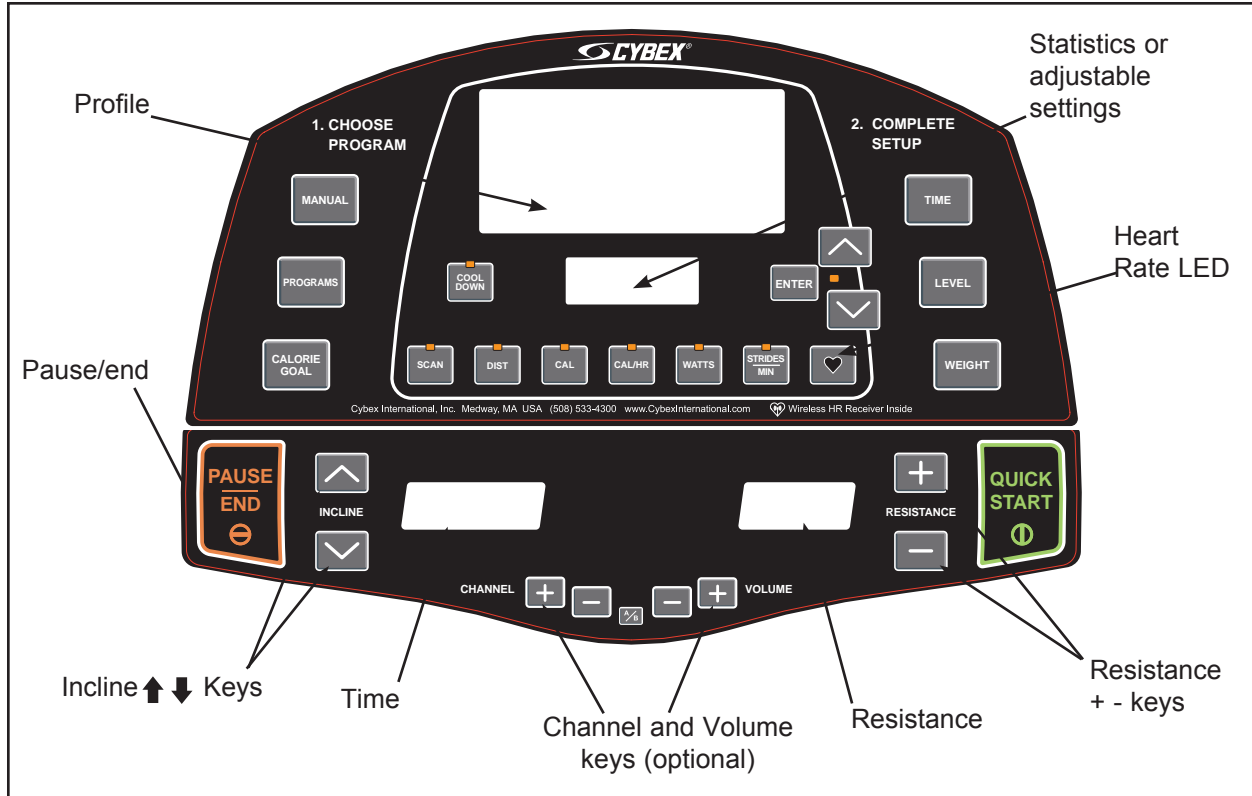


Figure 1 (AV Option)

6. Press the **Resistance + -** keys to change the load at any time. Pressing the + key will make your workout harder. Pressing the - key will make your workout easier. The right display will show the current level in increments of 1 from 0 to 80.
7. Press the **Incline** \wedge \vee keys to change the incline at any time. The left display will show the current incline (only while it is adjusting), in increments of 1 from 0 to 10.
8. Press the **Pause/end** key at any time to stop your workout. Press **Pause/end** once to end your workout and begin your *Workout Review*. As you press **Pause/end** once, the unit will return to level 0 incline (starting position). Press **Pause/end** twice to clear the *Workout Review* and return to *Dormant Mode*.
9. When you complete a program the unit begins a countdown, "3...2...1" and sounds a tone for each count. *Workout Review* displays for 20 seconds (default setting) or until you press the **Pause/end** key.

NOTE: *Speeding up and slowing down is dependent on the user speeding up and slowing down.*



WARNING: *Wait until foot plates come to a complete stop before dismounting.*

10. Wait until foot plates come to a complete stop before dismounting the unit. Hold the handles to steady yourself while you step off the unit.
11. The unit returns to *Dormant Mode*.

Stopping the Arc Trainer 425A

Press **Pause/End** once to pause your workout for 20 seconds (default setting) and to enter the *Workout Review*. As you stop striding the foot plates will stop and the elevation will return to the level 0 incline (starting position), but all workout settings and data will remain in memory for the pre-selected time. Press the **Quick Start** key within the default setting to continue your workout. If the **Quick Start** key has not been pressed during the 20 seconds pause, workout data will be cleared and the display will change to *Dormant Mode*.

Press **Pause/End** a second time to interrupt workout data from cycling and to change the display to *Dormant Mode*.

NOTE: Speeding up and slowing down is dependent on the user speeding up and slowing down.



WARNING: Wait until foot plates come to a complete stop before dismounting.

Emergency Dismount: Follow the steps listed below if you experience pain, feel faint or need to stop your unit in an emergency situation:

1. Grip handles for support.
2. Stop striding.
3. Wait until the foot plates come to a complete stop.
4. Continue holding the handles while you step off the unit.

Presence Detect

Presence Detect uses the movement of the pedals and any input from the user (such as a key press or heart rate) to determine your presence. If you step off the Arc or stop moving during a workout, it may detect that you are not there. After the pre-selected waiting period "run?" will appear in the center window for a few seconds then Presence Detect will end your workout session. If you press Quick Start within the time selected you can resume your workout.

Control During Operation

Control keys on the display are usable during operation and may be pressed at any time to make adjustments in level, incline or data readouts.

Changing Level - You can change the level during a programmed workout. Press the **Level** key to display the current program and level status. Then press \wedge \vee keys to change the level. The level will change immediately and will continue to accumulate performance data without interruption. **NOTE:** If you change the level during the Manual Mode the level and resistance will change at once.

Changing Resistance - Press the **Resistance + -** keys to change the load in increments of 1. Minimum to maximum resistance is from 0-80. **NOTE:** During a Manual Mode or **Quick Start** workout the \wedge \vee keys temporarily revert to resistance keys.

Changing Incline - Press the **Incline** keys to change the elevation in increments of 1 from 0-10. The elevation rises in the shape of an arc ranging from 12 to 34.5 degrees. See *Range of Motion* in this chapter.

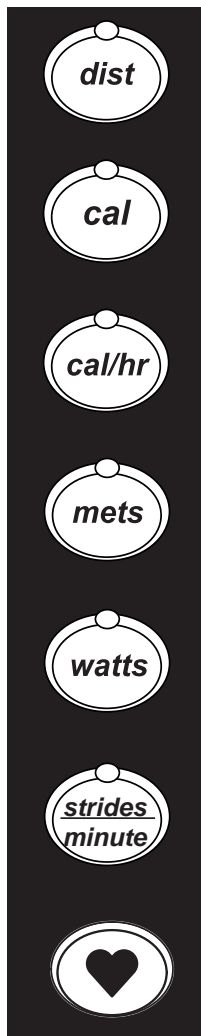
Changing Programs - When changing programs, your data from the previous program will transfer only when changing from one program to *Manual Mode*. You cannot transfer data when changing from one program to another program or from *Manual Mode* to a program.

Changing Workout Time - Press **Time** to alter the amount of time you plan to workout. You can change **Time** before or during a workout. **NOTE:** The **Max** default time may limit your time. See *Setting Operation Options* in chapter 5.

Changing Data Readouts - Press **Scan** once to continue to display a set of data. Press **Scan** again and it will continually review each set of data. **NOTE:** The automatic scan is a feature that can be toggled and/or turned on or off. See *Setting Operation Options* in chapter 5. If **Scan** is off, your heart rate will still appear when a heart beat is detected.

Data Readouts

As you exercise, the Arc Trainer 425A keeps track of the following data:



Distance - The total accumulated distance, in miles or kilometers, during your workout. **NOTE:** Depending on the defaults you've chosen this measurement will show in English or Metric.

Calories - The total accumulated calories burned during your workout. Your weight must be correctly set before beginning your workout for this measurement to be most accurate.

Calories Per Hour - Calculation of present workloads energy exertion in Calories per Hour. Your weight must be correctly set before beginning your workout for this measurement to be most accurate.

Metabolic Equivalent - Relates to the user's energy expenditure. A MET is a basic unit of measurement that is used to compare relative work between individuals and activities. One MET is the amount of oxygen an individual consumes at rest. For example two mets would be twice that amount. If an individual were working at four METs he/she would be consuming oxygen at a rate equal to four times their resting consumption. METs can be used to compare walking on a grade with running or even to cycling and other activities. See *The Workout Profile* in this chapter for more information.

Watts - Present workload energy exertion in Watts.

Strides Per Minute - Your average number of strides per minute at your current speed.

Heart Rate - Your current heart rate. Heart rate will appear when a signal is introduced. Use either the handgrips for Contact Heart Rate or a Polar compatible heart rate transmitter. See *Heart Rate LED* for a description of colors.

To review accumulated data after a program: The display automatically cycles through your accumulated workout data during the *Workout Review* for 20 seconds (default setting). **NOTE:** *Heart rate is not displayed during a Workout Review.*

Displaying Heart Rate

In order to display your heart rate, you must either use a Polar compatible heart rate transmitter belt (not included) or hold the handgrips to use Contact Heart Rate.

Contact Heart Rate - Hold the handgrips on the handles until a heart rate is displayed, typically less than thirty seconds. For best results, hold the handgrips lightly and ensure that your hands contact both the front and back sensors of each grip. **NOTE:** *Hold your hands as steady as possible as movement can cause interference on the contacts.*

Factors that can interfere with the heart rate signal include:

- excessive movement
- body composition
- hydration
- too loose grip
- too tight grip
- excessive dirt, powder or oil
- resting or leaning on the 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. Therefore, ensure you have clean hands when using the contact heart rate.

Polar Compatible Reception - To use this feature, a Polar compatible heart rate transmitter belt must be worn. To view heart rate continuously, press the **Scan** key when the Heart LED is lit or press the **Heart** key.

Heart Rate LED

When the handgrips are held the center display switches to show the heart rate in beats per minute (BPM) if you are not scanning. For several seconds the display will show "---". Once the actual heart rate is determined the center window displays the BPM and the Heart LED lights up. See Figure 2. The color of the light represents a scale of low to high target heart rate.

Blue = 0-69 beats per minute
 Green = 70-93 beats per minute
 Yellow = 94-120 beats per minute
 Amber = 121-170 beats per minute
 Purple = 171 & up beats per minute

NOTE: A label is on the unit to remind you what the color represents while you are working out. See Figure 2.

Use of Programs



WARNING: Obtain a medical exam before beginning any exercise program. Begin comfortably with a lower level and progress with higher levels as you become acclimated.

With the Arc Trainer 425A, you may choose from nine different programs. Eight of the programs provide ten levels of difficulty for a choice of 80 different pre-programmed options. You may also use *Manual Mode*. With this unique combination of programs, you can tailor your workout to achieve exactly the fitness goals you desire, including: weight loss, conditioning, endurance or maintenance of overall health. Speed is never predetermined for you; you can change your speed simply by changing your stride. The program choices are summarized as follows:

Manual Mode	Enter time and weight. You control speed, elevation.
P1 Speed Interval 1	10 Levels Select time, level and weight.
P2 Speed Interval 2	10 Levels Select time, level and weight.
P3 Hills Interval	10 Levels Select time, level and weight.
P4 Valleys	10 Levels Select time, level and weight.
P5 Ramps	10 Levels Select time, level and weight.
P6 Hills	10 Levels Select time, level and weight.
P7 Weight Loss	10 Levels Select time, level and weight.
P8 Cardio	10 Levels Select time, level and weight.
Calorie Goal	Enter calorie goal 50 - 2,000.

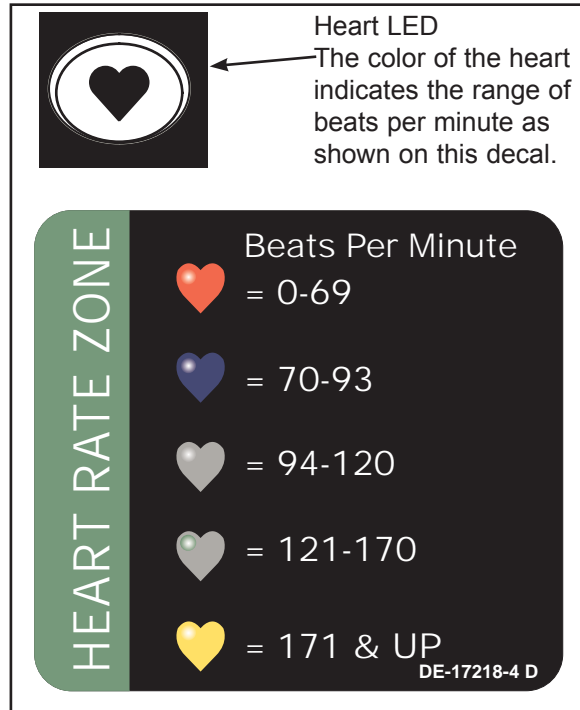


Figure 2



Manual Mode

Manual Mode is not a pre-programmed workout. Instead, it allows you to choose setting as you workout. You may choose your settings according to how you feel or your endurance level. Since you remain in control, *Manual Mode* may be the best choice for beginners or for those who have not worked out in a long time.

Press the **Quick Start** key to workout in *Manual Mode*. To increase or decrease the resistance while in *Manual Mode* use the **Resistance + -** keys. To increase or decrease the incline while in *Manual Mode* use the $\wedge \vee$ arrows.

When you workout in *Manual Mode*, be sure to include a three-to-five minute warm-up and cool-down period. You can warm-up by setting a low resistance at zero incline and then gradually increase the incline and resistance to the target for your workout. Reverse this process for your cool-down period, lowering the resistance gradually and returning the incline to zero.

The Workout Profile

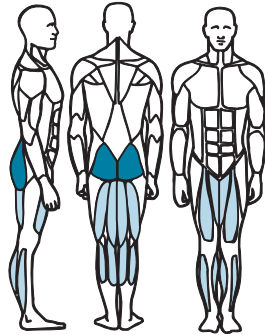
The Workout Profile matrix in the center of the display uses columns of lights to show the progress of your workout. The height of the column represents METS, specifically the highest METS you reached in that period. Each column represents 1 minute of your total workout time when in *Manual Mode* and 15 seconds in every other program.

NOTE: *It is conceivable to have two segments of different speed and elevation combinations in the same met range.*

Range of Motion

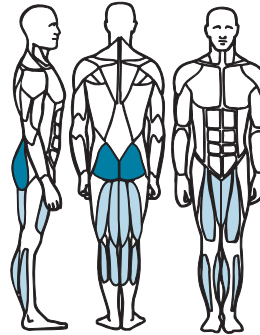
Press the **Incline** $\wedge \vee$ keys to change the elevation in increments of 10%. The elevation rises or lowers in the shape of an arc ranging from 12 to 34.5 degrees (with the chord of an arc). Depending upon the incline you choose the primary and secondary muscles trained will vary. See Figure 3.

Muscles Trained During Low Incline



- Primary - Gluteus Maximus, Hamstrings, Quadriceps,
- Secondary - Adductors, Gastrocnemius, Soleus

Muscles Trained During High Incline



- Primary - Quadriceps, Gluteus Maximus
- Secondary - Hamstrings, Adductors, Gastrocnemius, Soleus

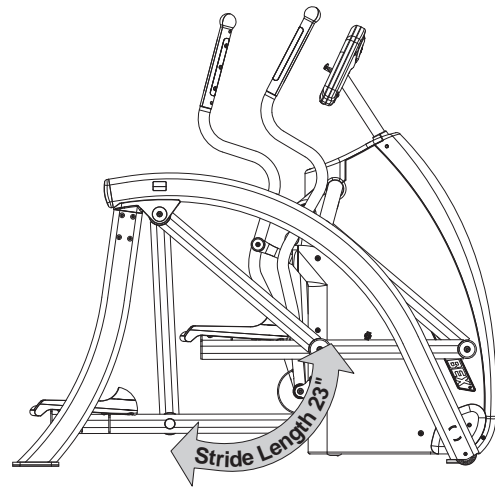
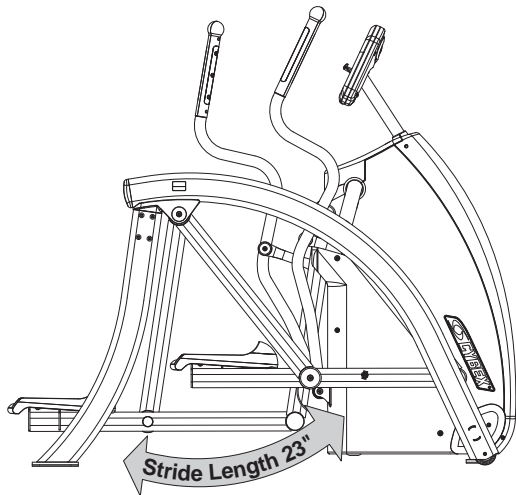


Figure 3

Speed Interval 1

Program Overview

This program is designed to introduce the user to some higher intensity training. The program uses a fixed incline with resistance using a repeating 1:2 work to rest ratio. Each work segment lasts 30 seconds and each rest segment lasts 60 seconds. The resistance of the rest segments is 60 to 65% that of the work segments. Interval training is designed to tax both the aerobic and anaerobic energy systems. During the high intensity segments the anaerobic energy system is taxed. During the low intensity segments the aerobic energy system is used while the "oxygen debt" incurred during the high intensity segments is repaid. The repetition of the high intensity segments forces the body to adapt to the greater demands thereby helping the user to develop higher performance capabilities. See table below and Figure 4.

Speed Interval 1					Repeat							
Time	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30
Distance	Refer to Notes								Refer to Notes			
	Warm up				Program Segment			Cool Down				
Resistance	1	2	3	4	1	2	3	1	2	3	4	
10	35	45	55	65	70	45	45	40	35	30	20	
9	35	40	50	60	65	40	40	35	30	25	15	
8	30	40	50	55	60	35	35	30	25	20	15	
7	30	35	45	50	55	30	30	30	25	20	10	
6	25	35	40	45	50	30	30	30	25	20	10	
5	25	30	35	40	45	25	25	25	20	15	10	
4	20	25	30	35	40	25	25	25	20	15	10	
3	20	25	30	30	35	20	20	20	15	10	10	
2	15	20	25	30	30	20	20	20	15	10	5	
1	10	15	20	20	25	15	15	15	15	10	5	
Elevation	Warm up				Program Segment			Cool Down				
	1	2	3	4	1	2	3	1	2	3	4	
10	2	2	3	4	5	5	5	4	3	2	2	
9	2	2	3	4	5	5	5	4	3	2	2	
8	2	2	3	3	4	4	4	3	3	2	2	
7	2	2	3	3	4	4	4	3	3	2	2	
6	2	2	3	3	4	4	4	3	3	2	2	
5	2	2	2	3	3	3	3	3	2	2	2	
4	2	2	2	2	3	3	3	2	2	2	2	
3	2	2	2	2	3	3	3	2	2	2	2	
2	2	2	2	2	2	2	2	2	2	2	2	
1	2	2	2	2	2	2	2	2	2	2	2	
Shown as a 10 minute program												
Time may be increased in 1 minute blocks added to core program												

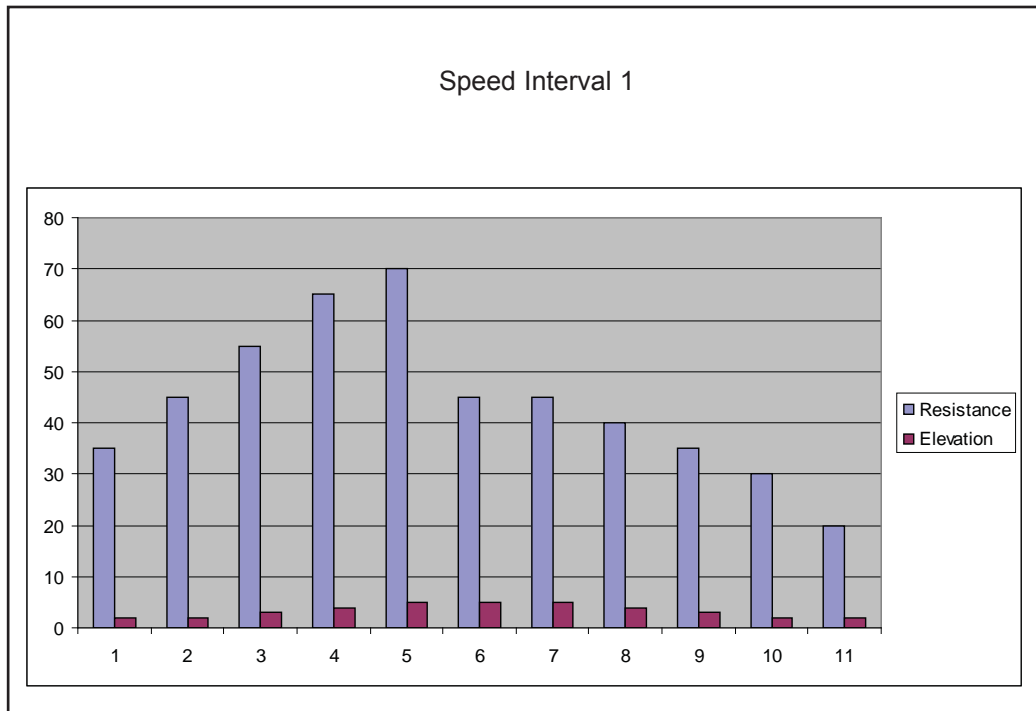


Figure 4

Speed Interval 2

Program Overview

This program is designed for those who desire a higher intensity training interval training program. The program uses a fixed incline with resistance using a repeating 1:1 work to rest ratio. Each work segment lasts 60 seconds and each rest segment lasts 60 seconds. The resistance of the rest segments is approximately 55 to 65% that of the work segments. Interval training is designed to tax both the aerobic and anaerobic energy systems. During the high intensity segments the anaerobic energy system is taxed. During the low intensity segments the aerobic energy system is used while the "oxygen debt" incurred during the high intensity segments is repaid. In Interval 2 the extended work segment creates a greater "oxygen debt" than Interval 1 putting greater demand on both energy system and the repayment of the "oxygen debt" forcing even greater adaptation to the imposed demands. See table below and Figure 5.

Interval 2					Repeat					
Time	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30
Distance	Refer to Notes				Program Segment		Refer to Notes			
	Warm up						Cool Down			
Resistance	1	2	3	4	1	2	1	2	3	4
10	20	30	35	40	80	50	40	35	30	20
9	15	25	30	35	75	50	35	30	25	15
8	15	20	25	30	75	45	30	25	20	15
7	10	20	25	30	70	45	30	25	20	10
6	10	20	25	30	70	40	30	25	20	10
5	10	15	20	25	65	40	25	20	15	10
4	15	20	20	25	65	35	25	20	20	15
3	10	10	15	20	60	35	20	15	10	10
2	5	10	15	20	60	30	20	15	10	5
1	5	10	15	15	55	30	15	15	10	5
Elevation	Warm up				Program Segment		Cool Down			
	1	2	3	4	1	2	1	2	3	4
10	2	2	3	4	5	5	4	3	2	2
9	2	2	3	4	5	5	4	3	2	2
8	2	2	3	3	4	4	3	3	2	2
7	2	2	3	3	4	4	3	3	2	2
6	2	2	3	3	4	4	3	3	2	2
5	2	2	2	3	3	3	3	2	2	2
4	2	2	2	2	3	3	2	2	2	2
3	2	2	2	2	3	3	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2
1	2	2	2	2	2	2	2	2	2	2
Time may be increased in 1 minute blocks added to core program										

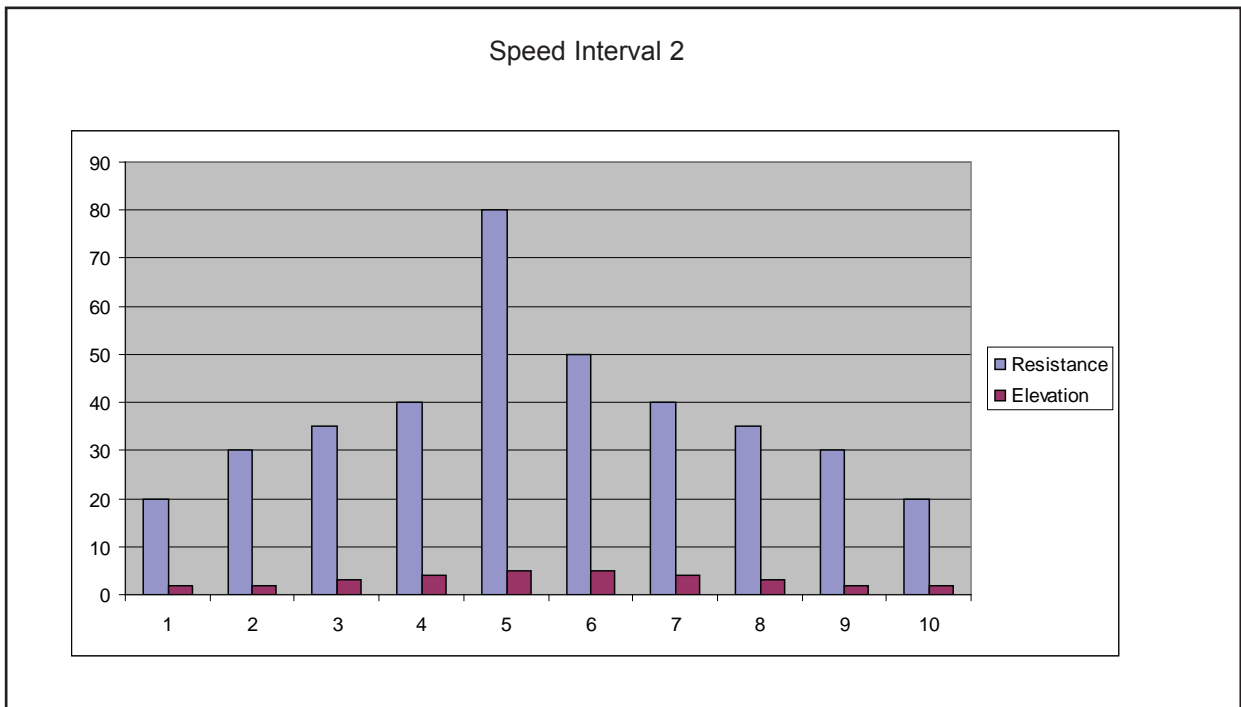


Figure 5

Hills Interval

Program Overview

The Hills program is designed to give the user the experience of hiking in a hilly terrain. This program uses intervals of moderate resistance and incline to simulate relatively flat areas and intervals of substantially greater incline and resistance to simulate steeper grades. Likewise the two-minute work segments are intended to tax the users capabilities, while the two-minute rest allows for recuperation and allows for repeated work segments. See table on next page and Figure 6.

Cybex Arc Trainer 425A Owner's Manual

Hills Interval											
Time	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30	
Distance					Program Segments		Cool Down				
Resistance	1	2	3	4	1	2	1	2	3	4	
10	20	25	30	35	40	60	35	30	25	20	
9	20	25	30	35	40	50	35	30	25	20	
8	15	20	25	30	35	45	30	25	20	15	
7	15	20	25	30	35	40	30	25	20	15	
6	15	15	20	25	30	35	25	20	15	15	
5	15	15	20	25	30	25	25	20	15	15	
4	10	10	15	20	25	30	20	15	10	10	
3	10	10	15	20	25	25	20	15	10	10	
2	10	10	10	15	20	20	15	10	10	10	
1	10	10	10	10	15	15	10	10	10	10	
Elevation	Warm up				Program Segments		Cool Down				
	1	2	3	4	1	2	1	2	3	4	
10	3	4	5	6	6	10	6	5	4	3	
9	3	3	4	5	5	10	5	4	3	3	
8	3	3	4	5	5	9	5	4	3	3	
7	3	3	3	4	4	9	4	3	3	3	
6	3	3	3	4	4	8	4	3	3	3	
5	3	3	3	3	3	8	3	3	3	3	
4	3	3	3	3	3	7	3	3	3	3	
3	2	2	3	3	3	7	3	3	2	2	
2	2	2	3	3	3	6	3	3	2	2	
1	2	2	3	3	3	6	3	3	2	2	
Shown as a 10 minute program											
Time may be increased in 1 minute blocks added to core program											

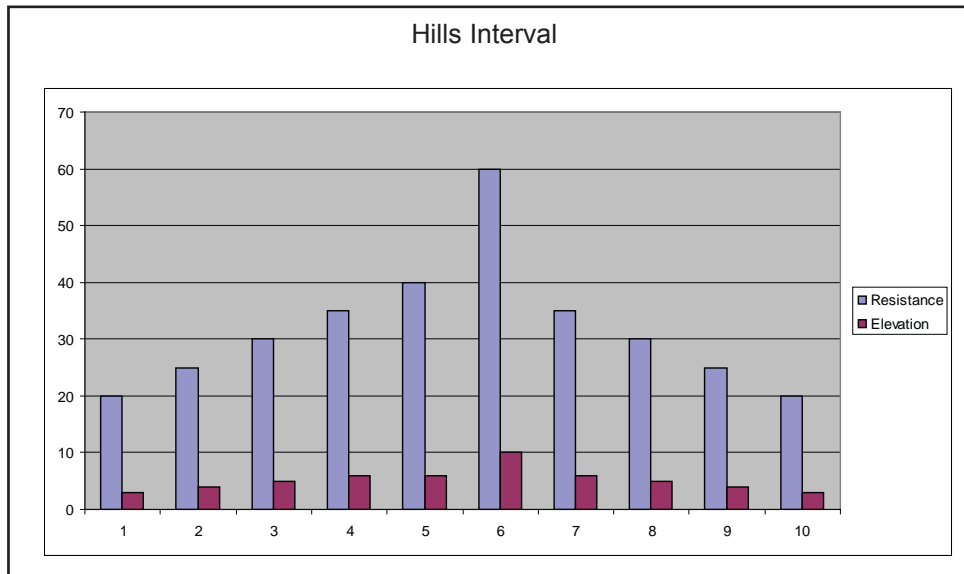


Figure 6

Valleys

Program Overview

The Valleys program provides a contrasting mix of incline and resistance. The program uses a five minute core during which the resistance is increased and the incline is reduced in the first three minutes followed by and a reduction in resistance and an increase in incline until the valley repeats itself. This program is designed specifically to contrast the Ramps and Hills programs for added training variety. See table below and Figure 7.

Valleys														
Time	:30	:30	:30	:30	1:00	1:00	1:00	1:00	1:00	:30	:30	:30	:30	
Distance	Refer to Notes													
	Warm up				Program Segment					Cool Down				
Resistance	1	2	3	4	1	2	3	4	5	1	2	3	4	
10	20	25	30	40	50	65	80	65	50	40	30	25	20	
9	20	25	30	35	50	60	75	60	50	35	30	25	20	
8	20	25	30	35	45	55	70	55	45	35	30	25	20	
7	15	20	25	35	45	50	65	50	45	35	25	20	15	
6	15	20	25	30	40	45	60	45	40	30	25	20	15	
5	10	15	20	20	40	40	55	40	40	20	20	15	10	
4	10	10	15	15	30	35	50	35	30	15	15	10	10	
3	5	10	10	15	30	30	45	30	30	15	10	10	5	
2	5	5	10	10	20	20	40	20	20	10	10	5	5	
1	5	5	10	10	15	20	35	20	15	10	10	5	5	
Elevation	Warm up				Program Segment					Cool Down				
	1	2	3	4	1	2	3	4	5	1	2	3	4	
10	3	4	5	5	10	5	1	5	10	5	5	4	3	
9	3	4	5	5	10	4	1	4	10	5	5	4	3	
8	3	4	4	4	9	4	1	4	9	4	4	4	3	
7	3	3	4	4	9	4	1	4	9	4	4	3	3	
6	3	3	4	4	8	3	1	3	8	4	4	3	3	
5	3	3	4	4	7	3	1	3	7	4	4	3	3	
4	3	3	4	4	6	3	1	3	6	4	4	3	3	
3	3	3	4	4	5	2	1	2	5	4	4	3	3	
2	3	3	4	4	4	2	1	2	4	4	4	3	3	
1	3	3	4	4	3	2	1	2	3	4	4	3	3	

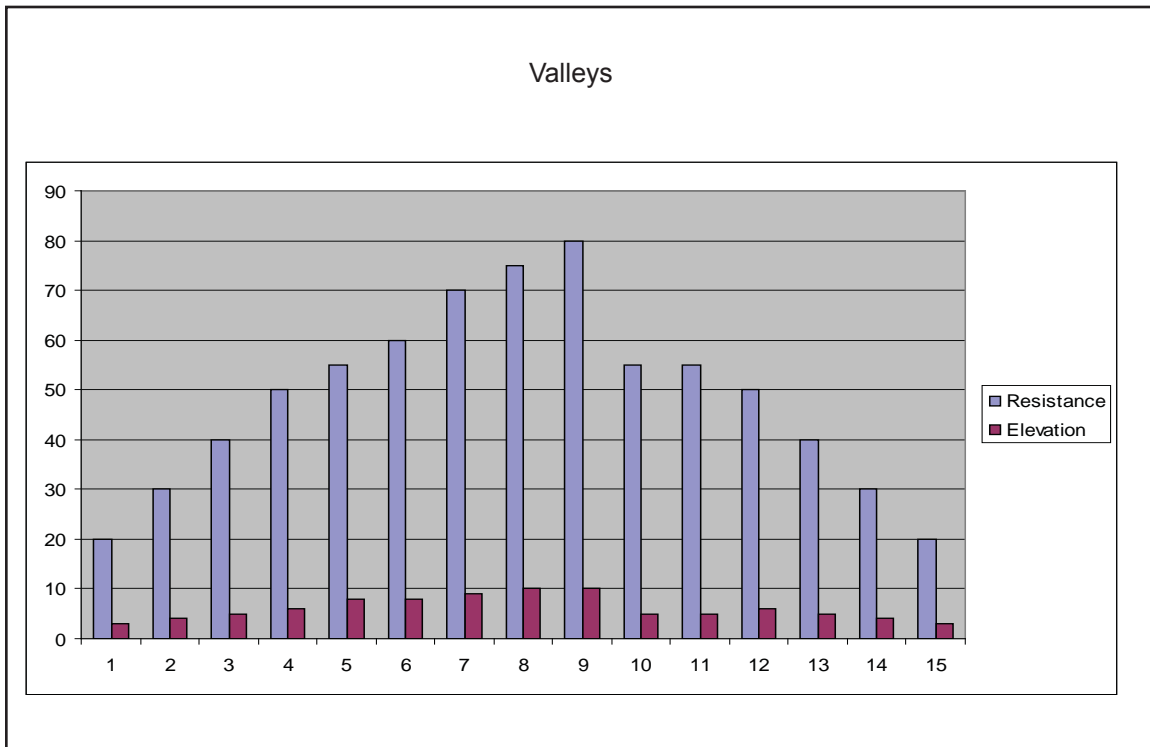


Figure 7

Ramps

Program Overview

The Ramps program is similar to the Hills program but uses a more linear ramp to both incline and resistance from segment to segment. Ramps is comprised of a 3 ½ minute core where the incline and resistance both increase over the first 2 ½ minutes followed by a one minute reduction of both incline and resistance. The reduction in incline and resistance is designed to provide a working rest period before the ramp is repeated. See table below and Figure 8.

Ramps															
Time	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30				
Distance	Refer to Notes				Refer to Notes							Refer to Notes			
	Warm up				Program Segment							Cool Down			
Resistance	1	2	3	4	1	2	3	4	5	6	7	1	2	3	4
10	20	30	40	50	55	60	70	75	80	55	55	50	40	30	20
9	20	30	40	45	55	65	65	70	75	55	55	45	40	30	20
8	20	30	35	40	50	60	60	65	70	50	50	40	35	30	20
7	15	25	35	35	45	55	55	60	65	45	45	35	35	25	15
6	15	25	30	35	40	50	50	55	60	40	40	35	30	25	15
5	15	25	30	30	35	45	45	50	55	35	35	30	30	25	15
4	10	20	25	30	30	40	40	45	50	30	30	30	25	20	10
3	10	20	25	25	25	35	35	40	45	25	25	25	25	20	10
2	10	15	20	20	20	30	30	35	40	20	20	20	20	15	10
1	10	10	15	15	15	20	25	30	35	15	15	15	15	10	10
Elevation	Warm up				Program Segment							Cool Down			
	1	2	3	4	1	2	3	1	2	5	5	1	2	3	4
10	3	4	5	6	8	8	9	10	10	5	5	6	5	4	3
9	3	3	4	5	7	8	8	9	10	5	5	5	4	3	3
8	3	3	4	4	7	7	8	9	9	5	5	4	4	3	3
7	3	3	4	4	6	7	7	8	9	5	5	4	4	3	3
6	3	3	3	4	6	6	7	8	8	5	5	4	3	3	3
5	3	3	3	3	5	6	6	7	8	5	5	3	3	3	3
4	2	2	2	3	5	5	6	7	7	5	5	3	2	2	2
3	2	2	2	3	4	5	5	6	7	5	5	3	2	2	2
2	2	2	2	2	4	4	5	6	6	5	5	2	2	2	2
1	2	2	2	2	3	4	4	5	6	5	5	2	2	2	2
Shown as a 10 minute program															
Time may be increased in 1 minute blocks added to core program															

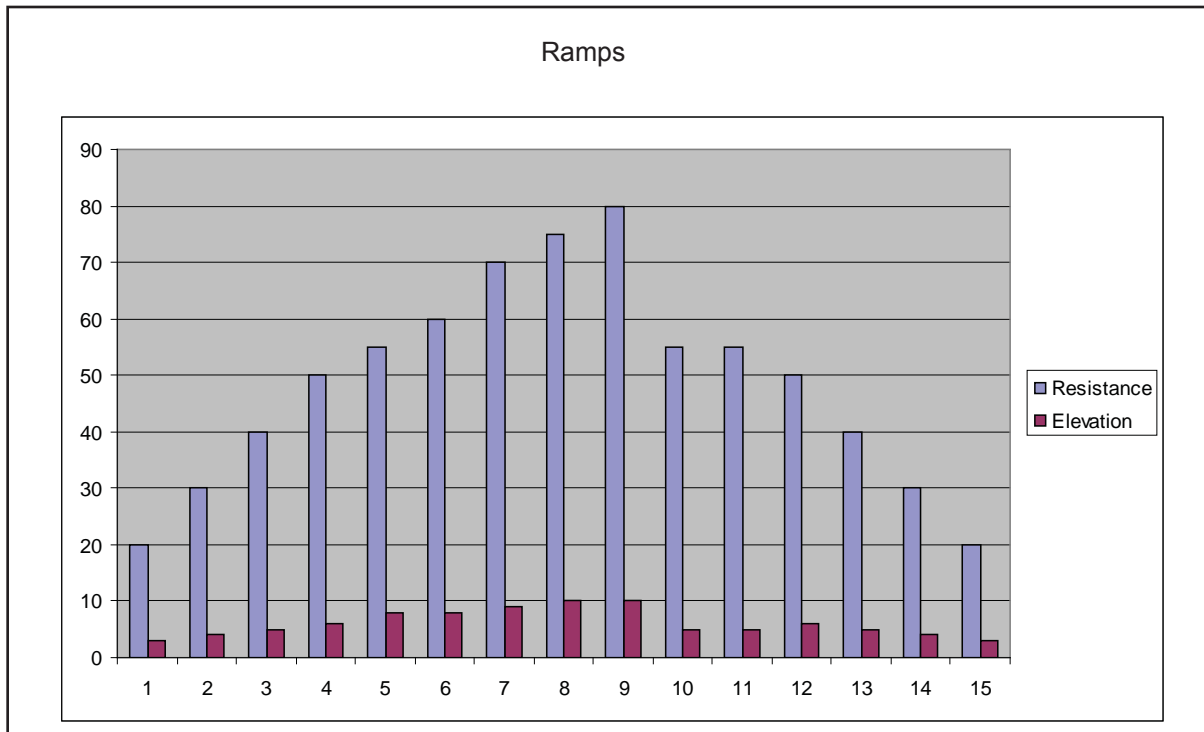


Figure 8

Hills

Program Overview

The Hills program uses a 3 ½ minute core where the incline and resistance both increase over the first 2 ½ minutes followed by a one minute reduction of both incline and resistance. The reduction in incline and resistance is designed to simulate reaching the top a hill and level ground. The climb up the hill is then repeated. See table below and Figure 9.

Hills															
Time	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30
Distance	Refer to Notes				Program Segments			Refer to Notes				Refer to Notes			
	Warm up				Program Segments			Cool Down				Cool Down			
Resistance	1	2	3	4	1	2	3	1	2	3	4	1	2	3	4
10	20	30	40	50	50	55	65	75	80	50	50	50	40	30	20
9	20	30	40	45	45	50	60	70	75	45	45	45	40	30	20
8	20	30	35	40	40	45	55	65	75	40	40	40	35	30	20
7	15	25	35	35	35	45	50	60	70	35	35	35	35	25	15
6	15	25	30	35	35	40	50	55	65	35	35	35	30	25	15
5	15	25	30	30	30	35	45	50	60	30	30	30	30	25	15
4	10	20	25	30	25	30	40	50	55	25	25	30	25	20	10
3	10	20	25	25	20	30	40	45	50	20	20	25	25	20	10
2	10	15	20	25	20	25	35	40	45	20	20	25	20	15	10
1	10	10	15	15	30	20	30	35	40	20	20	15	15	10	10
Elevation	Warm up				Program Segments			Cool Down				Cool Down			
	1	2	3	4	1	2	3	1	2	3	4	1	2	3	4
10	3	4	5	6	8	8	9	10	10	5	5	6	5	4	3
9	3	3	4	5	7	8	8	9	10	5	5	5	4	3	3
8	3	3	4	4	7	7	8	9	9	5	5	4	4	3	3
7	3	3	4	4	6	7	7	8	9	5	5	4	4	3	3
6	3	3	3	4	6	6	7	8	8	5	5	4	3	3	3
5	3	3	3	3	5	6	6	7	8	5	5	3	3	3	3
4	2	2	2	3	5	5	6	7	7	5	5	3	2	2	2
3	2	2	2	3	4	5	5	6	7	5	5	3	2	2	2
2	2	2	2	2	4	4	5	6	6	5	5	2	2	2	2
1	2	2	2	2	3	4	4	5	6	5	4	2	2	2	2
Shown as a 10 minute program															
Time may be increased in 1 minute blocks added to core program															

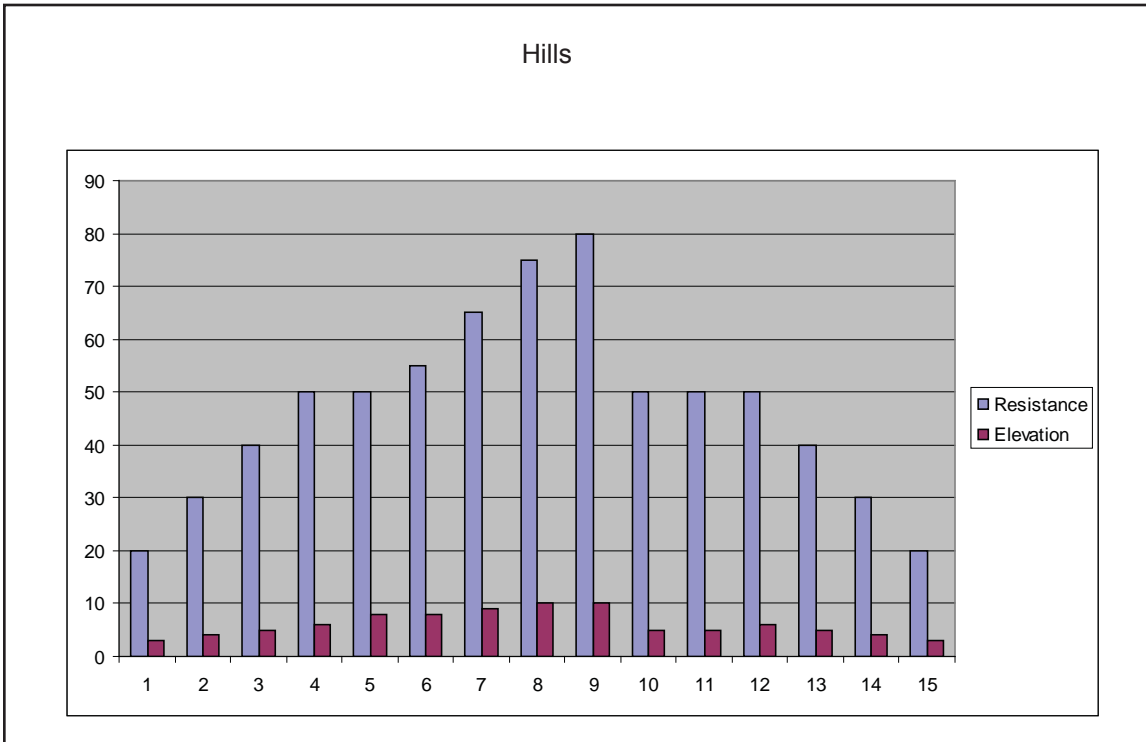


Figure 9

Weight Loss

Program Overview

The Weight Loss program is designed for low to medium intensity training that the user can sustain for an extended period of time. It builds from a low intensity baseline to include segments of higher incline and resistance as well as segments that use higher resistance with the baseline incline. The constant variety provides for periods of higher expenditure and training effect without the introduction of undue fatigue allowing the user to perform for longer periods of time. See table below and Figure 10.

Weight Loss														
Time	:30	:30	:30	:30	1:00	1:00	1:00	1:00	1:00	1:00	:30	:30	:30	:30
Distance	Refer to Notes													
	Warm up				Program Segments						Cool Down			
Resistance	1	2	3	4	1	2	3	4	5	6	1	2	3	4
10	5	10	15	20	25	45	45	25	45	25	20	15	10	5
9	5	10	15	20	25	40	40	25	40	25	20	15	10	5
8	5	10	15	20	25	35	35	25	35	25	20	15	10	5
7	5	5	10	15	25	40	40	25	40	25	15	10	5	5
6	5	5	10	15	25	35	35	25	35	25	15	10	5	5
5	5	5	10	15	25	30	30	25	30	25	15	10	5	5
4	5	5	5	10	15	25	25	15	25	15	10	5	10	8
3	5	5	5	10	15	20	20	15	20	15	10	5	10	8
2	5	5	5	5	5	15	15	5	15	5	5	4	3	3
1	5	5	5	5	5	10	10	5	10	5	5	4	3	3
Elevation	Warm up				Program Segments						Cool Down			
	1	2	3	4	1	2	3	4	5	6	1	2	3	4
10	4	4	4	4	4	6	6	4	4	4	4	4	4	4
9	4	4	4	4	4	6	6	4	4	4	4	4	4	4
8	3	3	3	3	3	6	6	3	3	3	3	3	3	3
7	3	3	3	3	3	4	4	3	3	3	3	3	3	3
6	3	3	3	3	3	4	4	3	3	3	3	3	3	3
5	3	3	3	3	3	4	4	3	3	3	3	3	3	3
4	2	2	2	2	2	3	3	2	2	2	2	2	2	2
3	2	2	2	2	2	3	3	2	2	2	2	2	2	2
2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
1	2	2	2	2	2	3	3	2	2	2	2	2	2	2

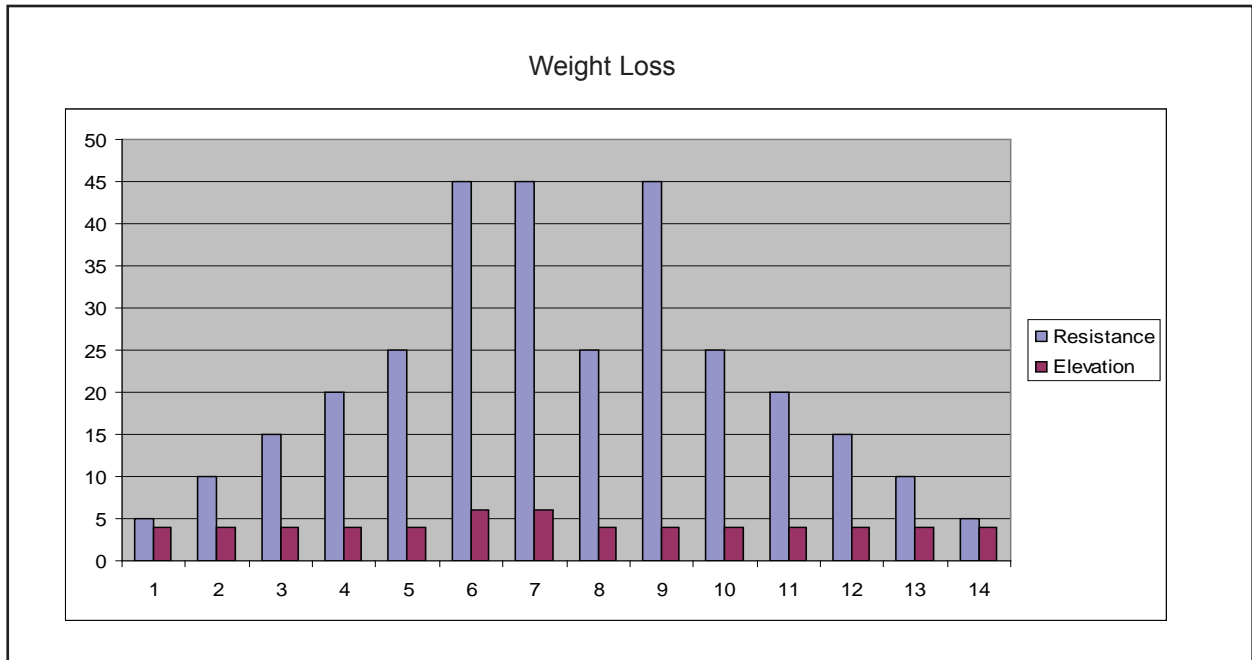


Figure 10

Cardio

Program Overview

The Cardio program is designed for experienced users that desire a high intensity cardiovascular training experience. The two-minute work interval with high resistance ensures that the aerobic energy system is completely taxed, while the subsequent two-minute rest interval allows for recovery enabling a repeat at the higher work rate. Additionally, a higher incline level is used during the recovery interval to discourage blood pooling, ensuring more complete recovery. See table below and Figure 11.

Cardio											
Time	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30	:30
Distance	Refer to Notes				Program Segments		Refer to Notes				
	Warm up						Cool Down				
Resistance	1	2	3	4	1	2	1	2	3	4	
10	30	35	45	55	80	60	55	45	35	30	
9	25	35	45	55	75	55	55	45	35	25	
8	25	30	40	45	70	50	45	40	30	25	
7	20	25	35	40	65	45	40	35	25	20	
6	15	20	30	35	60	40	35	30	20	15	
5	15	20	25	30	55	35	30	25	20	15	
4	10	15	20	25	50	30	25	20	15	10	
3	5	10	15	20	45	30	20	15	10	5	
2	0	5	10	15	40	25	15	10	5	0	
1	0	0	5	10	35	20	10	5	0	0	
Elevation	Warm up				Program Segments		Cool Down				
	1	2	3	4	1	2	1	2	3	4	
10	3	4	5	6	5	8	6	5	4	3	
9	3	3	4	5	5	8	5	4	3	3	
8	3	3	4	4	5	7	4	4	3	3	
7	3	3	4	4	4	7	4	4	3	3	
6	3	3	3	4	4	6	4	3	3	3	
5	3	3	3	3	4	6	3	3	3	3	
4	2	2	2	3	3	5	3	2	2	2	
3	2	2	2	3	3	5	3	2	2	2	
2	2	2	2	2	2	4	2	2	2	2	
1	2	2	2	2	2	4	2	2	2	2	
Shown as a 10 minute program											
Time may be increased in 1 minute blocks added to core program											

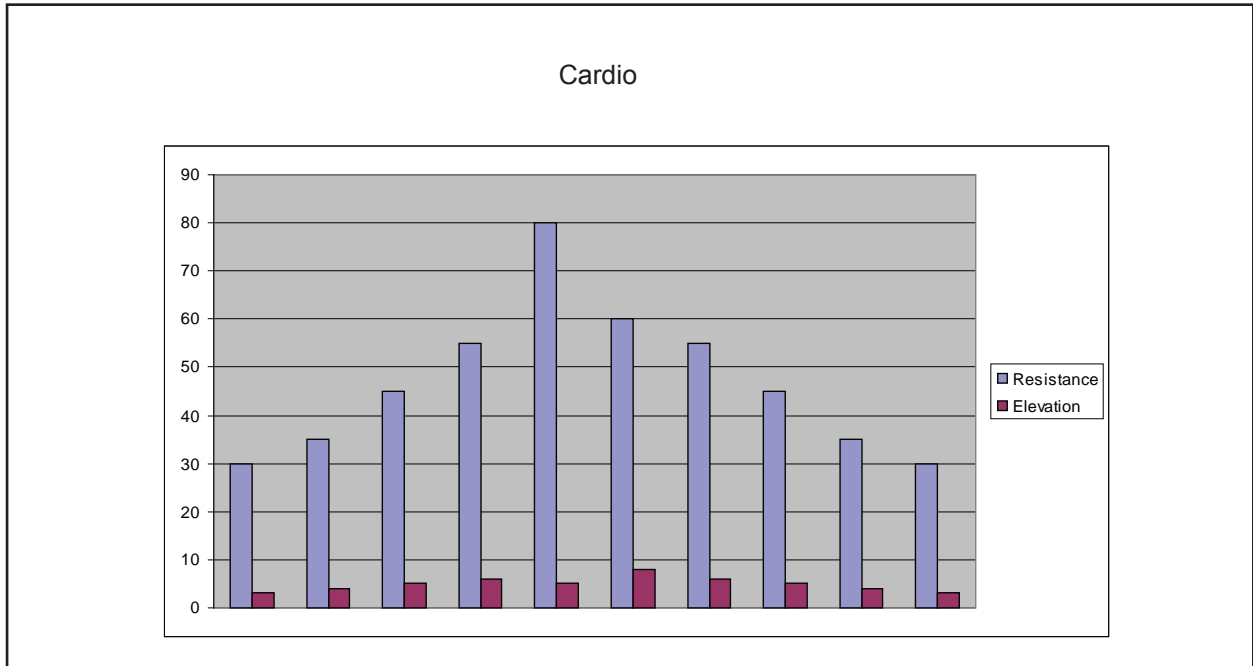


Figure 11

Cybex 425A Arc Owner's Manual

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4 - Preventive Maintenance



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: To prevent electrical shock, be sure the unit is unplugged from the electrical outlet before performing any cleaning or maintenance procedures.



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



WARNING: Disconnect the power cord before beginning this procedure. Keep wet items away from inside parts of the unit. Electrical shock could occur even if the unit is unplugged.



WARNING: The flywheel may be hot. Wait until it cools before servicing.

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 unit. Keeping a log 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 unit removed from service until the repair is made.

NOTE: Cybex is not responsible for performing regular inspection and maintenance actions for your unit. Instruct all personnel in equipment inspection and maintenance actions and also in accident reporting/recording.

Cleaning Your Arc Trainer 425A



WARNING: To prevent electrical shock, be sure the unit is unplugged from the electrical outlet before performing any cleaning or maintenance procedures.

When cleaning your unit spray a mild cleaning agent, such as a water and dish soap solution, on a clean cloth first and then wipe the unit with the damp cloth.

NOTE: Do not spray cleaning solution directly on the unit. Direct spraying could cause damage to the electronics and may void the warranty.

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

Be careful not to spill or get excessive moisture on the console and display overlays, 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 unit. Cleaning this area should be done as often as indicated in the *Service Schedule*.



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

To clean inside the unit, remove the four Phillips head screws securing the access cover in place. Use a vacuum attachment or hand vacuum to clean the exposed elevation assembly and remove dirt and debris off of internal components.

Use a *dry* cloth to wipe all exposed areas. Replace the access cover and secure it with the screws when finished.

Lift the rear of the unit and roll it back from its present position so as to vacuum the floor area underneath the unit. When finished, return the unit 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 alcohol. The grips are the only part of the unit you should use a cleaning solution containing alcohol.

Drive Belt Maintenance

There are two drive belts that may become loose, worn or cracked. See Figure 1.

Primary Belt - This is the wider of the two belts. It has grooves that keep it aligned on the large upper pulley. It is *unlikely* that the primary belt will become loose because it is a stretch-fit belt.

Secondary Belt - This is the narrower of the two belts. It has grooves that keep it aligned on the flywheel's drive pulley. It is *unlikely* that the secondary belt will become loose because it is a stretch-fit belt.

NOTE: *If a belt has cracks or appears worn, it must be replaced immediately by a qualified service technician.*

Tools Required

- Phillips head screwdriver

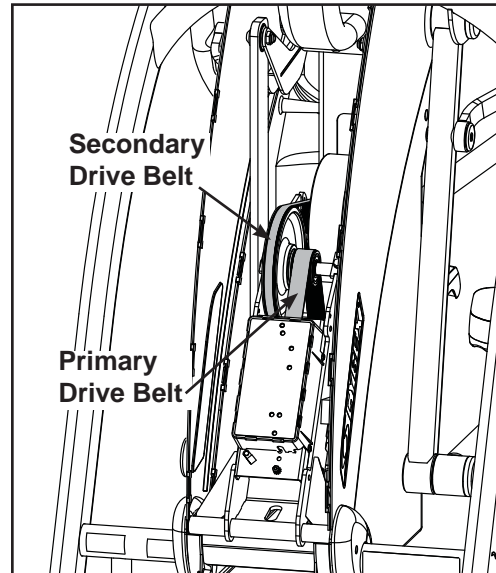


Figure 1



WARNING: *Disconnect the power cord from the wall outlet before beginning this procedure. Keep wet items away from inside parts of the unit. Electrical shock could occur even if the unit is unplugged.*

1. Read and understand this Drive Belt Maintenance section thoroughly before proceeding to step 2.
2. Disconnect the external power source.
 - A. Unplug the power cord from the power outlet.
3. Remove the access cover.
 - A. Using a Philips screwdriver, remove the four screws securing the access cover.
 - B. Remove the access cover.



WARNING: *the flywheel may be hot. Wait until it cools before servicing.*

4. Check the condition of each belt.
 - A. Roll each belt by to examine it condition. If a belt has cracks or appears worn, it must be replaced immediately by a qualified service technician.
5. Attach the access cover.
 - A. Using a Philips head screwdriver, tighten the screws first (removed in step 3A). **NOTE:** *Do not over tighten screws.*

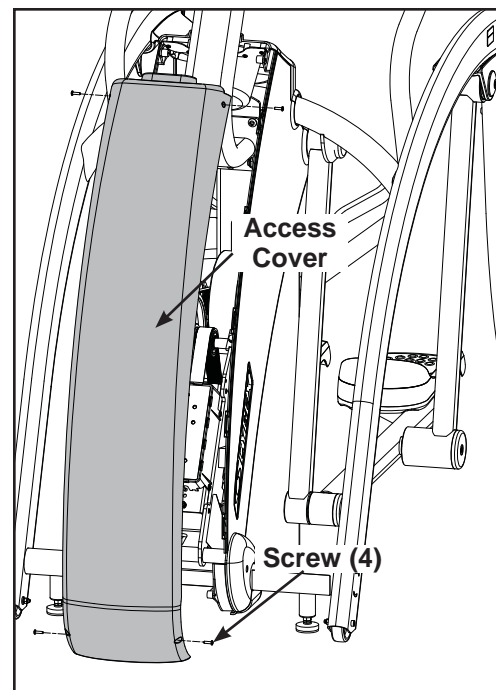


Figure 2

6. Test unit for proper operation.

Lubrication

The Arc Trainer 425A is designed with no-maintenance parts. Although there are grease fittings on the pillow blocks, re-lubrication of the bearings is not required.

Elevation Motor Lubrication - In time the elevation motor pivot points may develop a squeak. If a squeak is present, the unit will need to be serviced by a qualified service technician.

Environment

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 unit. You may experience a shock due to the build-up of static electricity on your body and the discharge path of the unit. If you experience this type of situation, you may want to increase the humidity to a comfortable level through the use of a humidifier.

Humidity - The unit is designed to function normally in an environment with a relative humidity range of 30% to 75%.

NOTE: *Do not install or use the unit in an area of high humidity, such as in the vicinity of a steam room, sauna, indoor pool or outdoors. Exposure to extensive water vapor, chlorine and/or bromine could adversely affect the electronics as well as other parts of the machine.*

Temperature - The unit is designed to function normally in an environment with an ambient temperature range of 50° F (10° C) to 104° F (40° C) degrees.

Storage

Humidity - The unit can be shipped and stored in an environment with a relative humidity range of 10% to 90%.

NOTE: *Do not store the unit in an area of high humidity, such as in the vicinity of a steam room, sauna, indoor pool or outdoors. Exposure to extensive water vapor, chlorine and/or bromine could adversely affect the electronics as well as other parts of the machine.*

Temperature - The unit can be shipped and stored in an environment with an ambient temperature range of 32° F (0° C) and 140° F (60° C) degrees.

5 - Setup and Assembly



Warnings/Cautions

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



WARNING: Use extreme caution when assembling the unit. Failure to do so could result in injury.



WARNING: A minimum of two people are required to lift, move and assemble this unit. Always use proper lifting methods when moving heavy items.



WARNING: Be sure that all electrical requirements are met as indicated in the specifications at the front of the manual and at the beginning of this chapter prior to proceeding.



WARNING: Wait until all moving parts come to a complete stop before dismounting.



CAUTION: A minimum of two people are required to assemble this unit.

Choosing and Preparing a Site

Before assembling the unit you must select a suitable site and have the proper electrical outlet power available for optimum operation and safety. See the *Electrical Power Requirements* section (located on the next page) for direction in locating your voltage requirements.

The area you select for the unit should be well lit and well ventilated. Locate the unit on a structurally sound and level surface. Allow enough clearance for safe access and passage during use of the unit. Allow a minimum of 5" (13 cm) behind the unit for the elevation to rise. If the unit is to be located above the first floor, place it near or above major support beams. To protect the carpeting, place a 3/4" (1.9 cm) thick wood base under the unit. Be sure to use the rubber foot covers shown on page 5-9.

Humidity - The unit is designed to function normally in an environment with a relative humidity range of 30% to 75%.

NOTE: Do not install or use the unit in an area of high humidity, such as in the vicinity of a steam room, sauna, indoor pool or outdoors. Exposure to extensive water vapor, chlorine and/or bromine could adversely affect the electronics as well as other parts of the machine.

Temperature - The unit is designed to function normally in an environment with an ambient temperature range of 50°F (10°C) to 104°F (40°C) degrees.

See Chapter 4 for information regarding storage of the unit.

Electrical Power Requirements

The power requirements for the unit are a grounded circuit rated for one of the following: 115 VAC \pm 5%, 50/60 Hz and 15 amps; or 230 VAC \pm 10%, 50/60 Hz. Contact your electrician to ensure the power supply complies with local building codes. **NOTE:** Do not use a ground plug adapter to adapt the 3-prong power cord plug to a non-grounded electrical outlet.

Assembling the Arc Trainer 425A



WARNING: Use extreme caution when assembling the unit. Failure to do so could result in injury.



CAUTION: A minimum of two people are required to assemble this unit.

Tools Required

- Phillips head screwdriver
- 7/32" Allen wrench (2 supplied)
- 5/32" Allen wrench (supplied)
- 9/16" Open-end wrench

NOTE: The words "left" and "right" denote the user's orientation.

1. Read and understand all instructions thoroughly before assembling the unit.

NOTE: Each step number in the assembly instructions tells you what you will be doing. The lettered steps following each step number describe the procedure required. Do not continue with step 2 until you have carefully read all of the assembly instructions.

2. Verify you have received the correct package.

- A. Read the sticker on the outside of the box and verify that the model number and voltage are what you ordered.

3. Unpack and verify the contents of the boxes.

- A. Lift up and remove the cardboard sleeve that surrounds the unit.
- B. Verify that you have the color that you ordered by looking at the paint.
- C. Verify that you have the correct voltage by reading the voltage sticker near the power inlet.

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- D. Check to be sure that the following items are present. Check off () each item as you find it. See Figure 1. If any of the parts are missing contact Cybex Customer Service.

Item	Qty	Part Number	Description
<input type="checkbox"/> 1	1	Varies	Base with covers attached
<input type="checkbox"/> 2	1	Varies	Console assembly (in box)
<input type="checkbox"/> 3	2	11090-405	Foot pad (in box)
<input type="checkbox"/> 4	1	NA	Hardware pack (in box)
<input type="checkbox"/> 5	1	5425A-4	Owner's Manual (in box)
<input type="checkbox"/> 6	1	425A-396	Assembly poster
<input type="checkbox"/> 7	1	425A-395	Warranty sheet
<input type="checkbox"/> 8	1	425A-459	Cover, Front
<input type="checkbox"/> 9	1	425A-462	Cover, Side, Upper Left
<input type="checkbox"/> 10	1	425A-460	Cover, Side, Upper Right
<input type="checkbox"/> 11	1	425A-458	Cover, Top
<input type="checkbox"/> 12	1	425A-206	Console Support Bracket
<input type="checkbox"/> 13	1	425A-208	Handle, Left
<input type="checkbox"/> 14	1	425A-209	Handle, Right

NA means Not Applicable

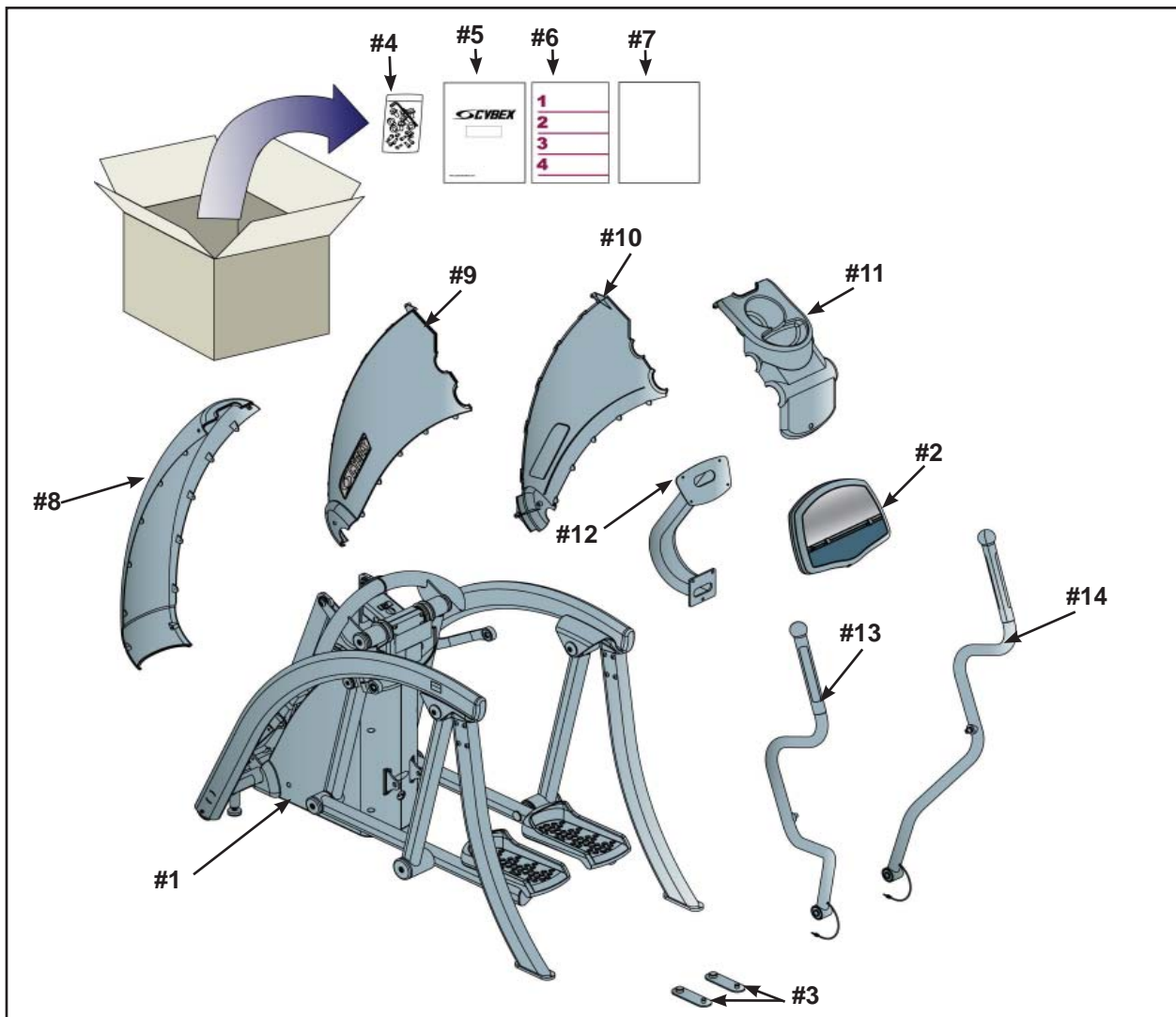


Figure 1

Cybex Arc Trainer 425A Owner's Manual

E. Check off (☑) each item in the hardware pack as you find it. See Figure 2 and 3.

Item	Qty	Part Number	Description
<input type="checkbox"/> 15	1	425A-449	Pivot Shaft
<input type="checkbox"/> 16	1	YA000221	Threadlocker
<input type="checkbox"/> 17	7	HT542514	PH HD Phil SC #8 X .625 BLK
<input type="checkbox"/> 18	2	JC700412	BHSCS .375-16 x .50
<input type="checkbox"/> 19	3	HC700415	BHSCS .375-16 x .75
<input type="checkbox"/> 20	2	HC620414	BHSCS .250-20 x .625
<input type="checkbox"/> 21	4	HX620420	BHSCS .250-20 x 1.250
<input type="checkbox"/> 22	4	HS307400	Lock Washer
<input type="checkbox"/> 23	2	HS347600	Washer
<input type="checkbox"/> 24	2	425A-482	End Cap
<input type="checkbox"/> 25	2	HS307601	Washer
<input type="checkbox"/> 26	1	BK030205	5/32" Allen wrench
<input type="checkbox"/> 27	2	BK030204	7/32" Allen wrench
<input type="checkbox"/> 28	2	600A-311	Spacer

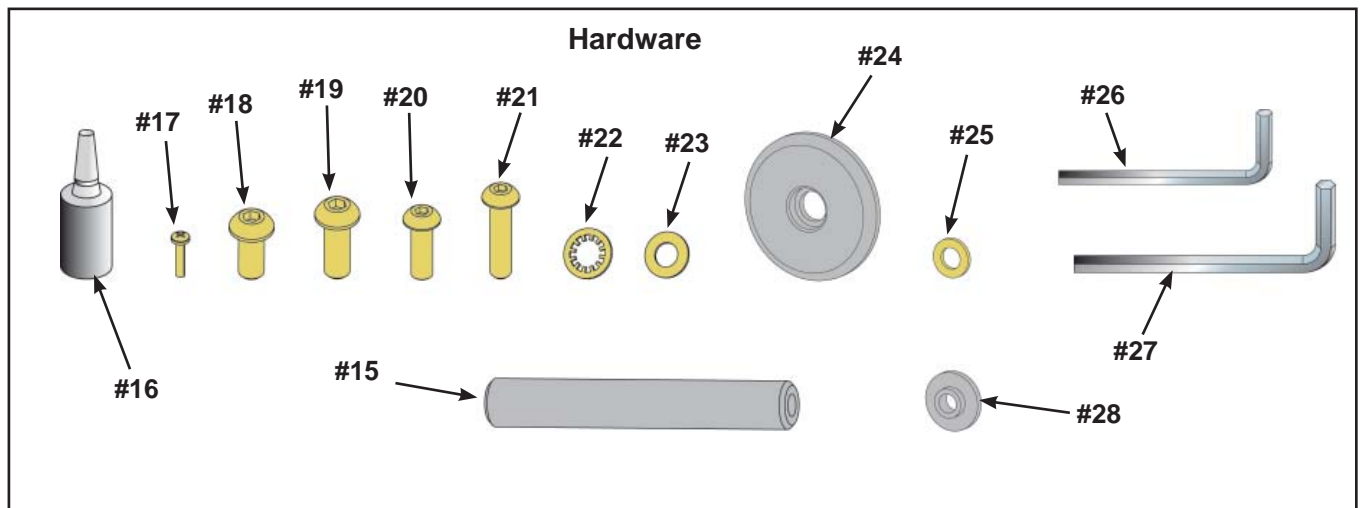


Figure 2

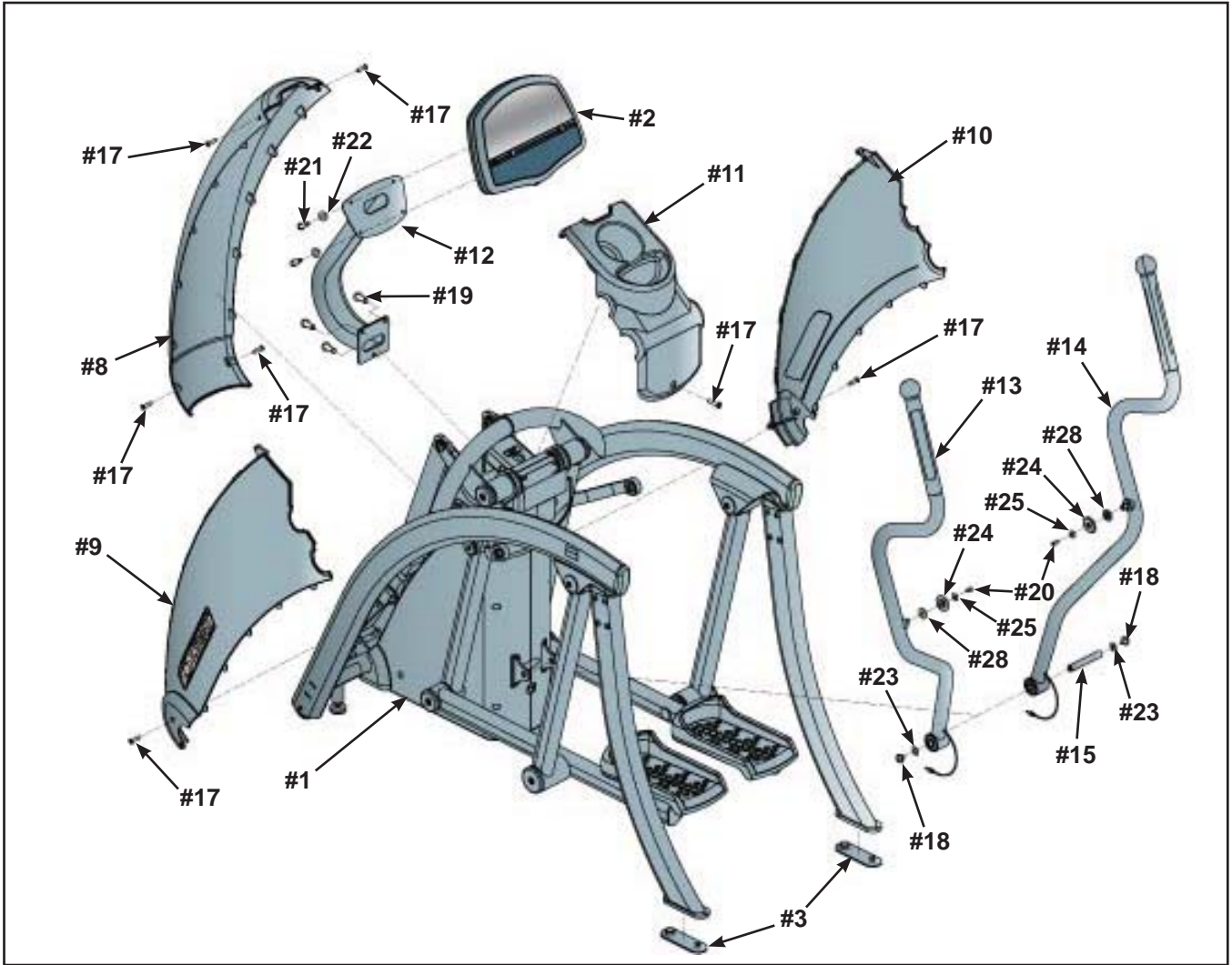


Figure 3



CAUTION: A minimum of two people are required to lift, move and assemble the unit. Always use proper lifting methods when moving heavy items.

4. Lift and move the unit

- A. Carefully remove lag bolts and shipping supports. **NOTE:**
- B. At least two people should lift and move or roll the unit to the location where you intend to leave it. Use proper lifting methods.

NOTE: If installing the Personal Entertainment Monitor refer to page 5-12 for installation instructions.

5. Install cables in console support bracket.

- A. Locate the console support bracket (#12).
- B. Locate the console and heart rate cables on the mainframe assembly.
- C. Insert the cables into the bottom of the console support bracket (#12) until they exit the top.

6. Attach the console support bracket.

- A. Locate the console support bracket (#12) and three BHSCS .375-16 x .75 (#19).
- B. Position the console support bracket (#12) on the main frame assembly and hand thread each of the three BHCS .375-16 X .75. (#19) See Figure 4.
- C. Securely fasten the .375-16 x .75 (#19) with the 7/32" Allen wrench (#27) provided.

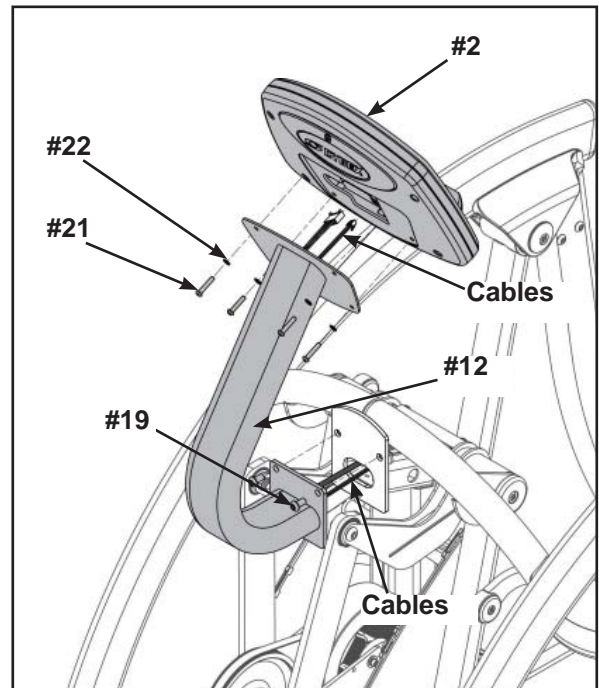


Figure 4

7. Attach the console assembly.

- A. Locate console assembly (#2) and four BHSCS .250-20 x 1.250 (#21) and four lock washers (#22).
- B. Connect the console and heart rate cables exiting top of the console support bracket (#12) to the console (#2). See Figure 4.
- C. Position console assembly (#2) and hand thread each of the four BHCS .250-20 (#21) with four lock washers (#22). See Figure 4.

NOTE: Verify cables are not pinched.

- D. Using the 5/32" Allen wrench (#26) provided, secure the console (#2) to the console support bracket (#12) with the four lock washers (#22) and four BHSCS .250 x 1.250 (#21).

8. Attach the left upper cover.

- A. Locate the upper left side cover (#9) and one Phillips screw #8 X .625 BLK (#17).
- B. Place the upper left side cover (#9) in position on mainframe and hand thread the Phillips screw #8 X .625 BLK (#17). See Figure 5.

NOTE: Ensure the locking connectors are securely in place. See Figure 5.

- C. Using a Phillips head screwdriver, securely fasten the Phillips screw #8 X .625 BLK (#17).
- D. Repeat steps 8A through 8C for right upper cover.

9. Attach top cover.

- A. Locate top cover (#11) and one Phillips screw #8 X .625 BLK (#17).
- B. Place the top cover (#11) in the correct position on the main frame assembly and hand thread the Phillips screw #8 X .625 BLK (#17) See Figure 6.
- C. Using a Phillips head screwdriver, securely fasten the Phillips screw #8 X .625 BLK (#17).

10. Attach front cover.

- A. Locate front cover (#8) and four Philips screws #8 X .625 (#17).
- B. Place the front cover (#8) in the correct position on the main frame assembly and hand thread the four Phillips screws #8 X .625 BLK (#17). See Figure 7.
- C. Using a Phillips head screwdriver, securely fasten the four Philips screws #8 X .625 BLK (#17).

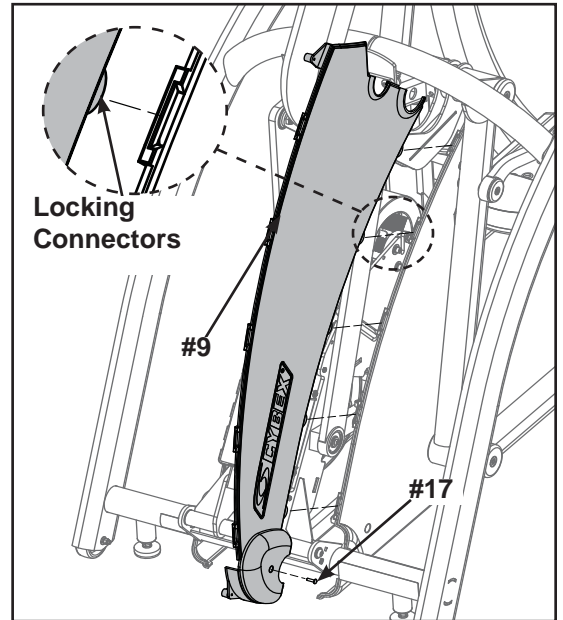


Figure 5

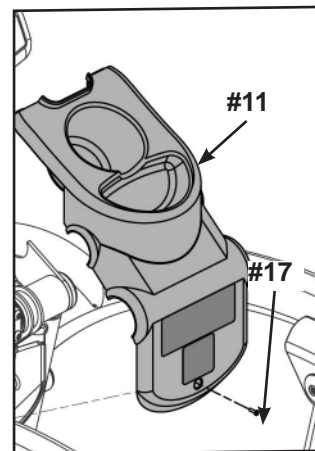


Figure 6

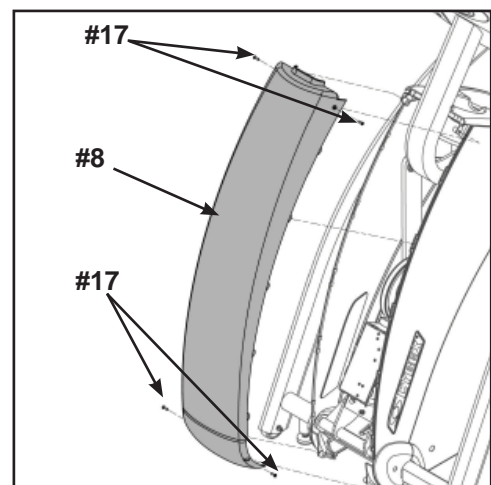


Figure 7

11. Attach the handles.

- A. Locate the left (#13) and right (#14) handles, pivot shaft (#15), two BHSCS .375-16 x .50 (#18) and two washers (#23).
- B. Position left (#13) and right (#14) handles vertically.
- C. Position right handle (#14) to align opening with mainframe opening. See Figure 8.
- D. Insert pivot shaft (#15) into opening of right handle (#14). See figure 8.
- E. Position left handle (#13) to align the handle openings with the mainframe opening.
- F. Push pivot shaft (#15) through opening.
- G. Apply loctite (#16) to screws and into where screws will be threaded.
- H. Using both 7/32" allen wrenches provided (#27), secure pivot shaft to handles using two BHSCS .375-16 x .50 screws (#18) and two washers (#23). **NOTE:** Handles will wobble if not securely tightened.

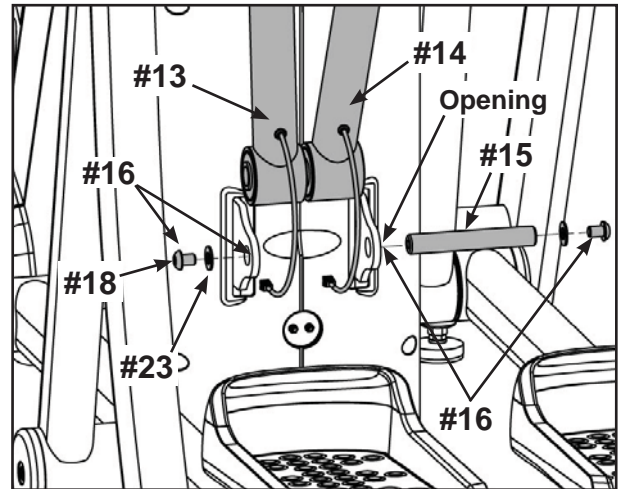


Figure 8

12. Attach S-Links.

- A. Locate right S-Link on mainframe assembly. See Figure 9.
- B. Locate a BHSCS .250-20 x .625 (#20), a washer (#25), end cap (#24) and spacer (#28).
- C. Apply loctite (#16) to BHSCS and into where the screw will be threaded. See Figure 9.
- D. Lift right S-Link and using the 5/32" Allen Wrench (#26) provided, secure the S-Link to handrail using BHSCS (#20), washer (#25) end cap (#24) and spacer (#28) located in step 12B. See Figure 9.
- E. Repeat steps 12A through 12D for left side.

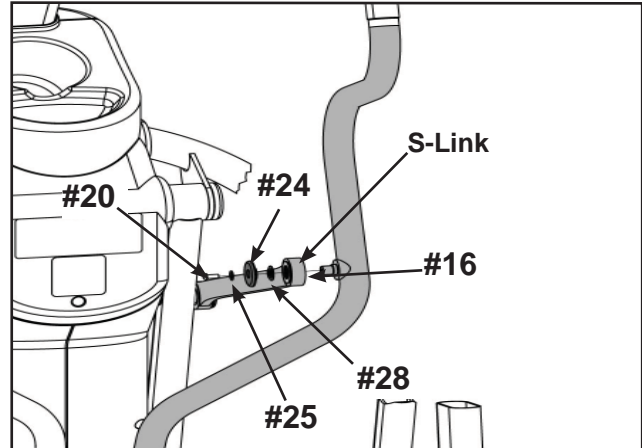


Figure 9

13. Connect contact heart cables.

- A. Locate left and right heart rate wiring exiting from the handles.
- B. Plug heart rate cables into main frame sockets. See Figure 10.

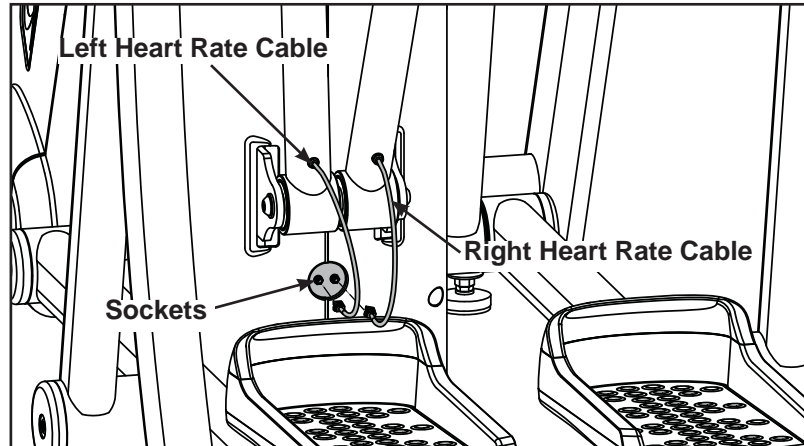


Figure 10

14. Attach the foot pads.

- A. Have one person lift the unit while a second person places a foot pad (#3) under each of the two back feet. See Figure 11.

15. Level the unit.

- A. Confirm that the unit is on a level surface. If it is not, use a 9/16" open-end wrench to adjust the leveling feet up or down. See Figure 12.

16. Visually inspect the unit.

- A. Carefully remove any package material from arms and rest of unit.
- B. Carefully examine the unit to ensure that the assembly is correct and complete.

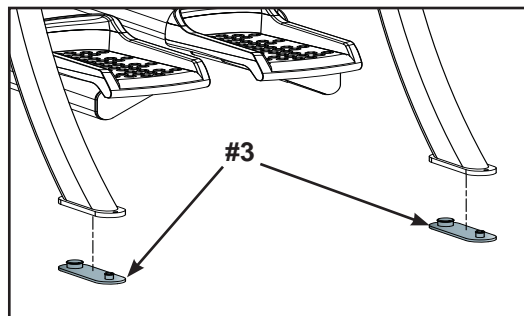


Figure 11

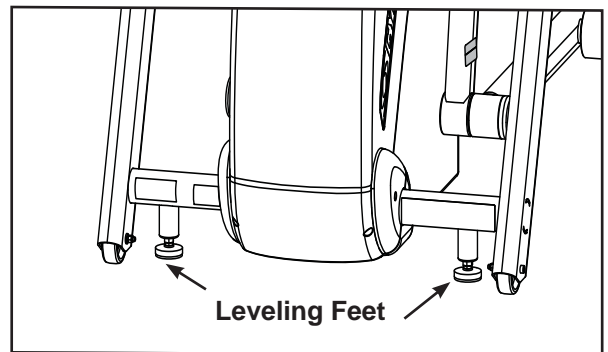


Figure 12



WARNING: Be sure that all electrical requirements are met as indicated in the specifications at the front of the manual and at the beginning of this chapter prior to proceeding.

Testing the Operation

Use the following instructions to test the full resistance and incline range of the unit.

1. Plug the power cord into a power outlet from a grounded circuit as described under *Electrical Requirements* in this chapter. **NOTE:** Coil up the remainder of the power cord and place it out of the way, under the front of the unit.
2. The control panel will light up and be in the *Dormant Mode*.
3. Hold the handles to steady yourself while you step into the foot plates.
4. Press the **Quick Start** key.
5. Begin striding.
6. Run the unit through its full resistance range. First press the **Resistance +** key until the unit reaches its highest load (the display will show "80"). Then press the **Resistance -** key until the unit reaches its lowest load; the display will show "0". As you stride, you will feel the resistance change.

NOTE: When the unit reaches the set incline and resistance, the displays will stop flashing and remain steadily illuminated to indicate that the desired settings have been reached.

7. Run the unit through its full incline range. First press the **Incline ^** key until the unit reaches its highest incline (the display will show "10"). Then press the **Incline v** key until the unit reaches its lowest incline (the display will show "0").



WARNING: Wait until all moving parts come to a complete stop before dismounting.

8. Press **Pause/end** twice to bring the incline back to its start position, end the workout review and return the display to *Dormant Mode*.
9. Wait until foot plates come to a complete stop before dismounting the unit. Hold the handles to steady yourself while you step off the unit.

Setting Operation Options

1. Enter *Test Mode* by holding **Pause/end** key. The display will read "425A".

NOTE: After changing any value, you must press **Enter** to save that value. When you press enter the display will read "updt" (updated) to confirm your selection.

2. Press the **Weight** key to set options, change values with ▲ ▼ keys and press **Enter** to save your selection. Each time you press **Weight** the next set of data is displayed in the following order.

Unit - Choices are "Eng" (English) or "Euro" (metric) measurements. English is the default.

Line: - This is the frequency of the power line that supplies power to your unit. The default setting is 50 Hz for metric consoles and 60 Hz for English consoles. **NOTE:** If you have an English console and a 50 Hz power line frequency, then you must change the default setting from 60 Hz to 50 Hz for the proper elevation frequency.

Scan - This turns on or off the data readout scan (unless a specific data key is pressed during a workout). Default is on.

Def - This is the default time for time based programs if a user doesn't re-set **Time**. For example, if you press **Time** you can decrease or increase the set workout time up to the amount that the **Max** time is set. Choices (in minutes) include: 20, 30, 40, 50 and 60. Default is 20.

Max - This is the maximum amount of time the unit can run per use. You can limit the users time or choose "none" for unlimited time. Choices (in minutes) include: 20, 30, 40, 50, 60, 90, 120 and "none" for no time limit. Default is 60.

Idle (or Workout Review): - This is how long the unit retains and displays your current workout data during a pause in the workout or after a workout. Choices include: 20 seconds; 30 seconds; 40 seconds; 1 minute and 5 minutes; default is 20 seconds.

PD (Presence Detect) - This is the amount of time the unit will continue the program if the user steps off the pedals or stops moving. Time options are between 5 and 60 seconds. Default is 5 seconds.

NOTE: See *Presence Detect* in Chapter 3 for further details.

3. To exit *Test Mode* press the **Pause/end** key once.

Your unit is now ready for use. Follow the instructions in the *Operation* chapter to learn how to operate the unit.

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

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

Find information on the web at www.cyboxinternational.com or by e-mail at techhelp@cyboxintl.com.

Serial Number and Voltage

Your serial number and voltage can be found on the front of the unit. See Figure 1.

For your convenience record your serial number and voltage below so that you will have it ready if you call Cybox Customer Service.

Serial Number _____ Voltage _____

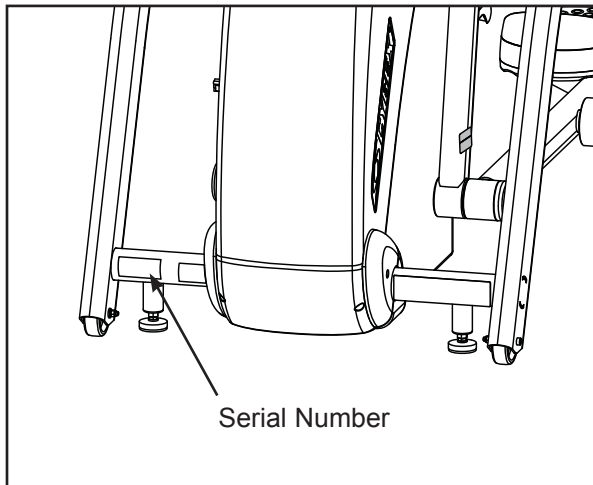


Figure 1

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. Follow 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 on Page 6-1 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. *The serial number is located on the front of the unit as shown in Figure 1.* 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 unit 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.
1975 24th Ave SW
Owatonna MN 55060, USA

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 orders 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.

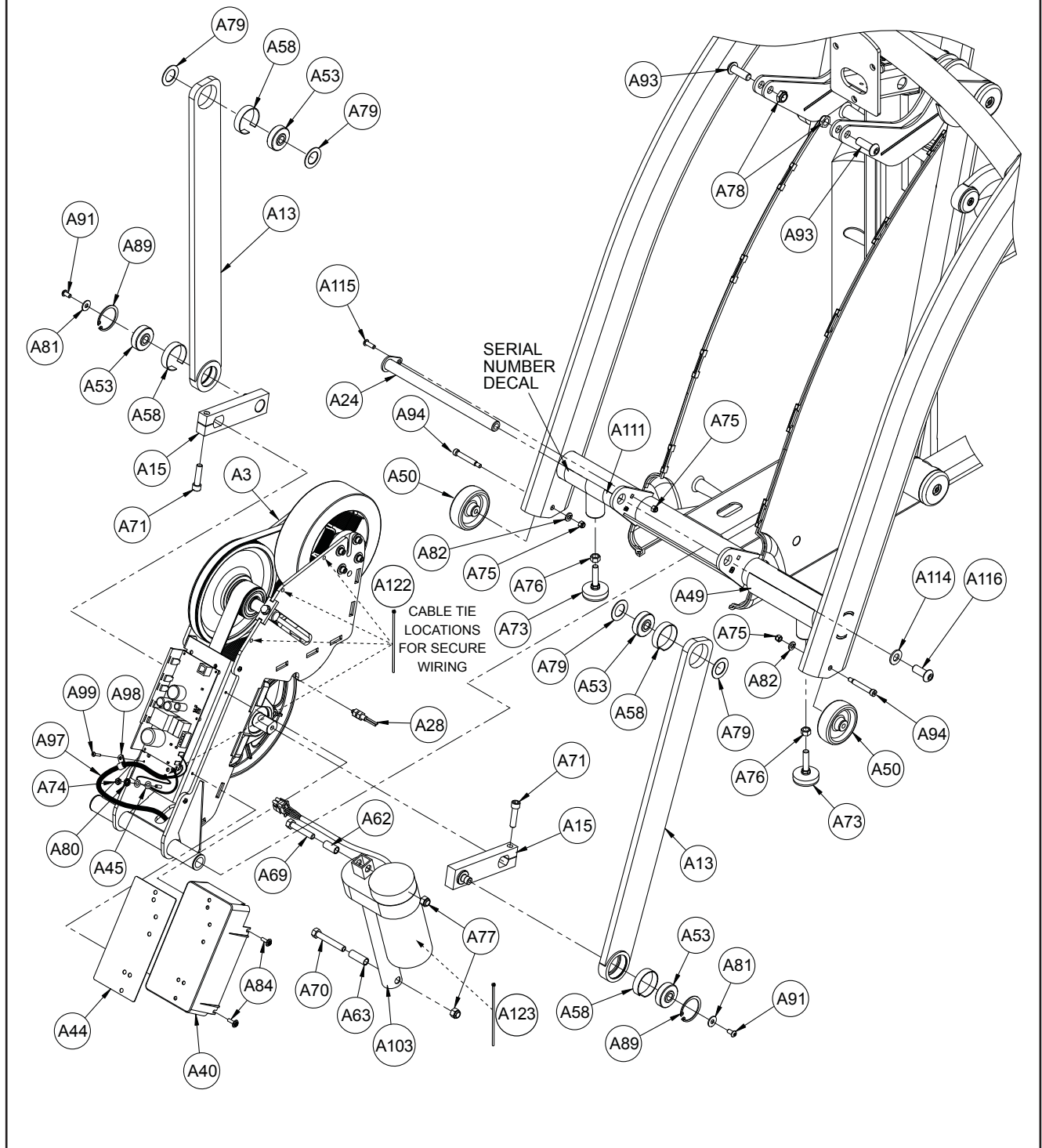
Cybex Arc Trainer 425A Owner's Manual

Main Assembly

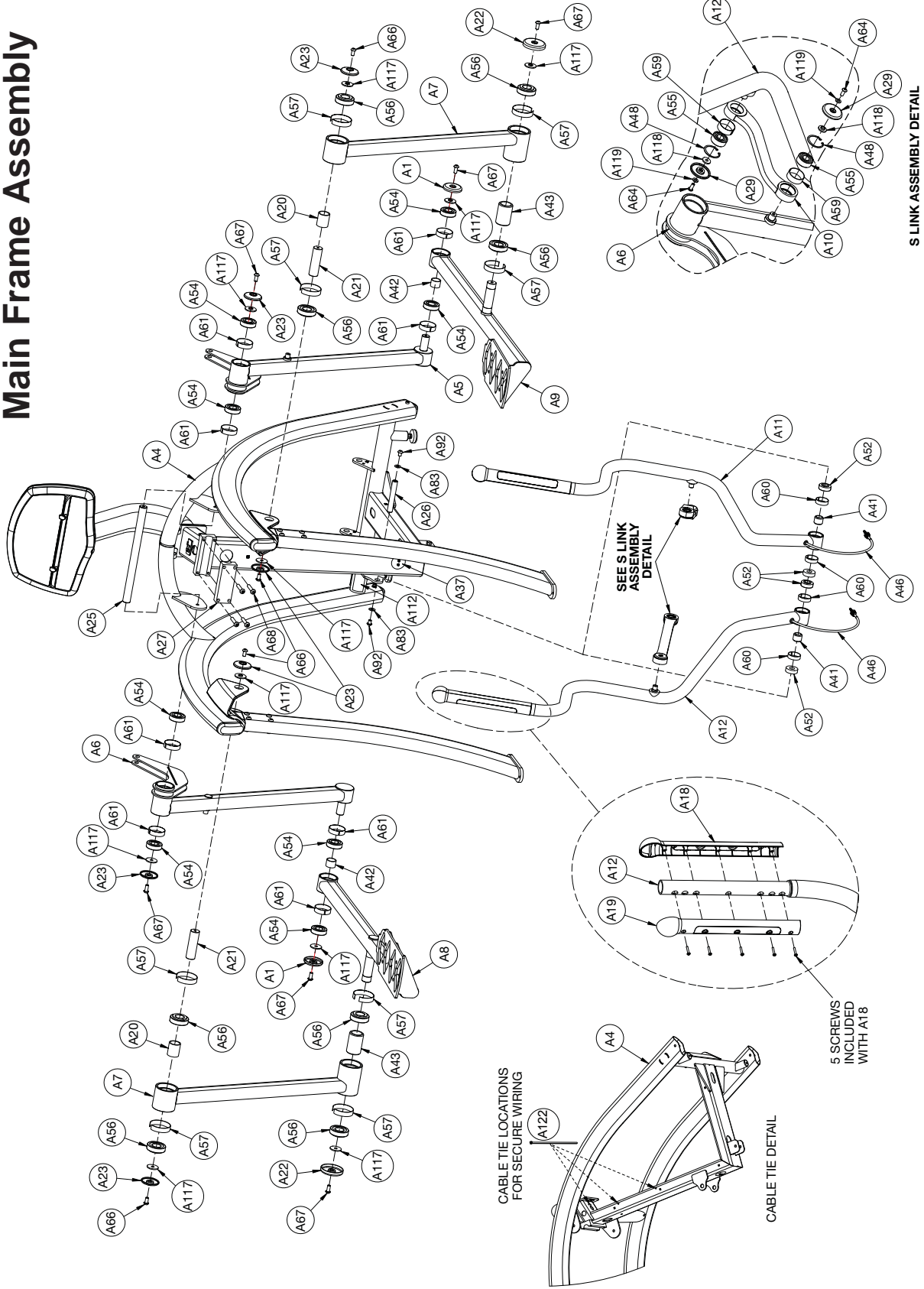
ITEM	QTY	PART NO.	DESCRIPTION
A1	2	425A-483	END CAP
A2	2	12090-322	FOOT PAD
A3	1	425A-101	DRIVE FRAME ASSEMBLY
A4	1	425A-200	MAIN FRAME
A5	1	425A-201	FRONT LEG RH
A6	1	425A-202	FRONT LEG LH
A7	2	425A-203	REAR LEG
A8	1	425A-204	FOOT BAR LH
A9	1	425A-205	FOOT BAR RH
A10	2	425A-207	S LINK
A11	1	425A-208	INPUT HANDLE RH
A12	1	425A-209	INPUT HANDLE LH
A13	2	425A-210	DRIVE LINK
A14	2	425A-212	REAR LEG
A15	2	425A-319	ASSY, CRANK ARM
A16	2	425A-359	FOOT PLATE
A17	2	425A-360	TOE CAP
A18	2	425A-378	GRIP, CHR, FRONT
A19	2	425A-379	GRIP, CHR, BACK
A20	2	425A-487	TUBE, SPACER
A21	2	425A-444	PIN, PIVOT
A22	2	425A-484	END CAP
A23	6	425A-485	END CAP
A24	1	425A-216	SHAFT, DRIVE PIVOT
A25	1	425A-448	PIN, PIVOT
A26	1	425A-449	PIVOT SHAFT
A27	1	425A-450	BLOCK, CLAMP
A28	1	425A-451	MAGNETIC SENSOR
A29	4	425A-482	END CAP
A30	1	425A-457	BRACKET COVER
A31	1	425A-458	COVER, TOP
A32	1	425A-459	COVER FRONT
A33	1	425A-460	COVER SIDE UPPER RIGHT
A34	1	425A-461	COVER SIDE LOWER RIGHT
A35	1	425A-462	COVER SIDE UPPER LEFT
A36	1	425A-463	COVER SIDE LOWER LEFT
A37	1	425A-465	INSERT, PLASTIC 1.75 OD
A38	4	425A-468	RETAINER
A39	2	425A-469	DECAL, CYBEX
A40	1	425A-470	COVER, LCB
A41	2	425A-489	SPACER
A42	2	425A-488	SPACER
A43	2	425A-486	SPACER
A44	1	425A-479	DECAL, LCB COVER
A45	1	610A-104	CABLE, CHR CHASSIS GND
A46	2	AW-19615	CABLE, 425A, CHR GRIP
A47	1	AW-19616	HARNES, 425A CHR, FRAME
A48	4	BR030225	RETAINING RING 1.438 INTERNAL
A49	1	CM000240	DECAL, DISCONNECT POWER 7 LANGUAGES
A50	2	CW-17231	WHEEL, TENSIONER
A51	1	EC-19978	SENSOR, WHR AND CHR COMBO
A52	4	FB030232	BEARING, RADIAL 17 mm EXTENDED RACE
A53	4	FB030244	BEARING, RADIAL BALL .50 ID X 1.688 OD
A54	8	FB030247	BEARING, RADIAL 25MM EXTENDED RACE
A55	4	FB030248	BEARING, SPHERICAL 15MM
A56	8	FB030253	BEARING, RADIAL 30 MM EXTENDED RACE
A57	8	FC030003	TOLERANCE RING
A58	4	FC030004	TOLERANCE RING 42 `(1.653) ID
A59	4	FC030005	TOLERANCE RING 1.378 ID
A60	4	FC030006	TOLERANCE RING 1.575 ID
A61	8	FC030007	TOLERANCE RING 2.047 ID
A62	1	FT-17242	SLEEVE, ELEVATION MOUNTING, TOP

ITEM	QTY	PART NO.	DESCRIPTION
A63	1	FT-17243	SLEEVE, ELEVATION MOUNTING, BOTTOM
A64	4	HC620414	BHSCS .250-20 X .625
A65			REMOVED 3/07
A66	23	HC700415	BHSCS .375-16 X .75
A67	6	HC700416	BHSCS .375-16 X .875
A68	4	HC700426	BHSCS .375-16 X 2.00
A69	1	HC701226	BOLT, HHCS .375-16 x 2.0
A70	1	HC701230	SCREW, HHCS .375-16 x 2.50
A71	2	HC702822	SHCS .375-16 X 1.50
A72	11	HF540200	GROMMET, NYLON
A73	2	HG700022	LEVELING GLIDE, .375-16
A74	1	HN586300	NUT, K-LOCK 10-32 ZINC PLATED
A75	3	HN624901	LOCKNUT, .250-20 NYLON BLK ZN
A76	2	HN704000	HEX NUT .375-16
A77	2	HN704902	LOCKNUT, .375-16 NYLON
A78	2	HN784901	NYLON LOCKNUT .500-13 THIN
A79	4	HS008006	WASHER NYL .908 1.500 .050
A80	1	HS047300	LOCKWASHER, EXTERNAL NO. 10
A81	2	HS307600	WASHER SAE .250
A82	2	HS328300	LOCKWASHER SPLIT .312
A83	2	HS347600	WASHER, SAE .375
A84	2	HT102214	PHIL, HEX, WASHER HD, TYPE 23, 10-24
A85			REMOVED 3/07
A86	19	HT542514	PN HD PHIL SC # 8 X .625 BLK
A87	8	HT552512	PAN HD PHIL HD SELF TAPPING, 8-16 x .50 TYPE WB
A88	8	HT582510	TAP SC NO 10 X .375 PN HD PHIL
A89	2	HX-17143	RING RETAINING, INTERNAL, .500-168
A90			REMOVED 3/07
A91	2	JC620412	BHSCS .250-20 X .50
A92	2	JC700412	BHSCS .375-16 X .50
A93	2	JC780422	BHSCS .500-13 X 1.50
A94	2	JD623324	BOLT, SHOULDER .312 x 1.75 .250-20 UNC
A95	2	PP130004	INSERT, DOMED PLASTIC
A96	1	YD000027	TAPE, DOUBLE BACK .75 X 2.00
A97	1	AW-19624	POWER CORD 115V
A97	1	AW-19625	POWER CORD 230V
A97	1	AW-19626	POWER CORD 230V
A97	1	AW-19627	POWER CORD 100V
A98	1	HX-19841	CLAMP, STRAIN RELIEF .250 ID
A98	1	HX-19842	CLAMP, STRAIN RELIEF .313 ID
A99	1	HT552510	SCREW
A100	1	425A-206	CONSOLE MOUNT
A101	4	HS307400	LOCKWASHER INT TOOTH .250 SS
A102	4	HX620420	BHSCS .250-20 X 1.250
A103	1	MR-19609	MOTER EVEVATION 115V
A103	1	MR-19610	MOTOR ELEVATION 230V
A104	1	425A-395	WARRANTY SHEET (NOT SHOWN)
A105	1	425A-396	INSTALLATION POSTER (NOT SHOWN)
A106	1	5425A-4	OWNER'S MANUAL (NOT SHOWN)
A107	1	425A-495-X*	WARNING DECAL
A108	1	DE-17218-X*	HEART RATE ZONE DECAL
A109	4	DE-17219-X*	CAUTION DECAL
A110	1	DE-17266	UL DOMESTIC DECAL (NOT SHOWN)
A111	1	425A-494	ETL LABEL
A111	1	CM000242	CE DECAL
A112	1	CM000241	FCC DECAL
A113	1	HN625200	REMOVED 4/07
A114	1	HS387700	WASHER, SAE .500
A115	1	JC780420	BHSCS .250-20 X .75
A116	1	HC622815	BHSCS .500-13 X 1.25
A117	10	425A-481	SPACER
A118	4	600A-311	SPACER
A119	4	HS307601	WASHER, FLAT .281ID X .500OD X .062
A120	1	600A-362	BIOSIG PATENT LABEL
A121	1	630A-351	WEEE SYMBOL DECAL
A122	7	EW000028	CABLE TIE
A123	1	EW000029	CABLE TIE

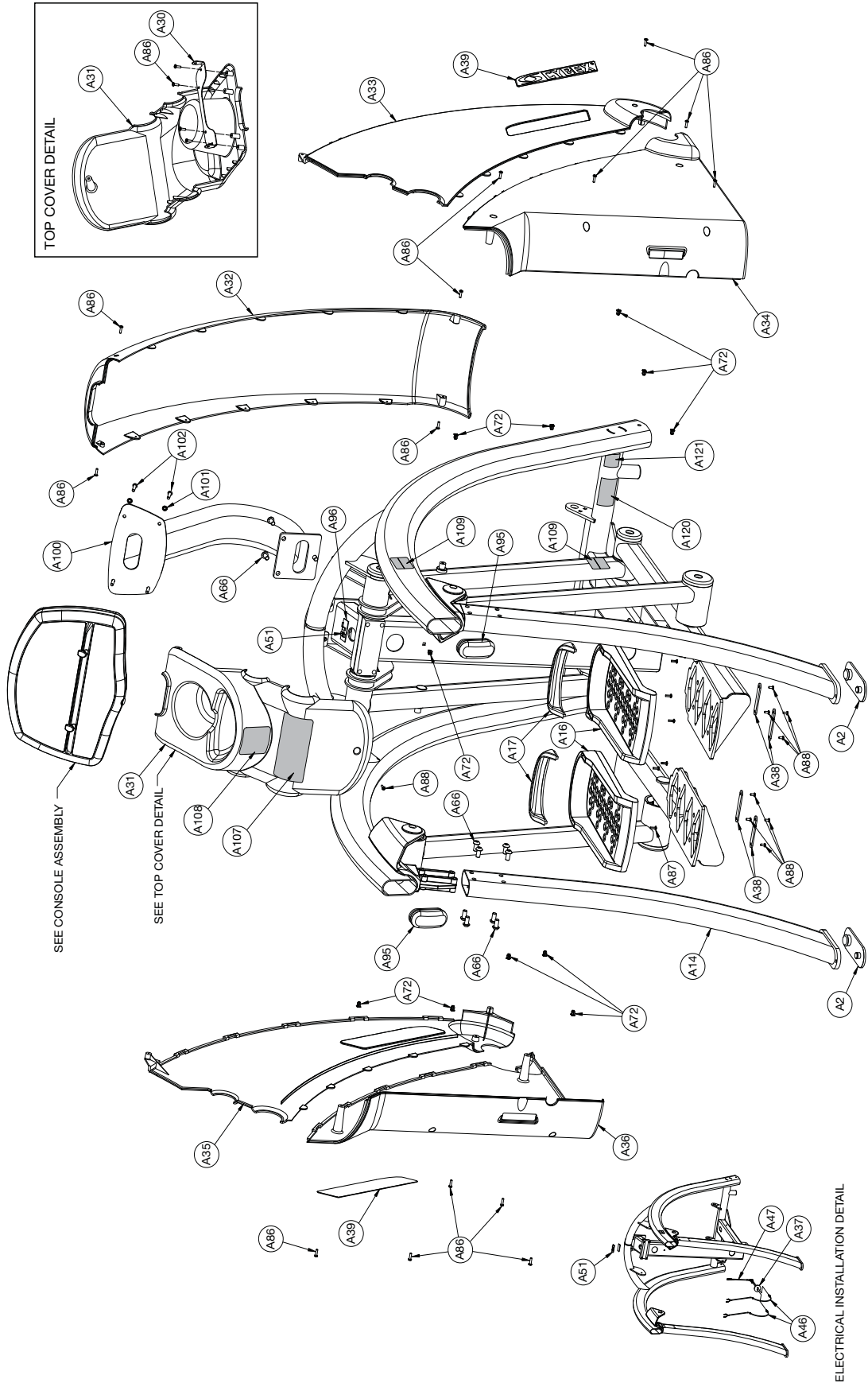
Main Frame Assembly



Main Frame Assembly



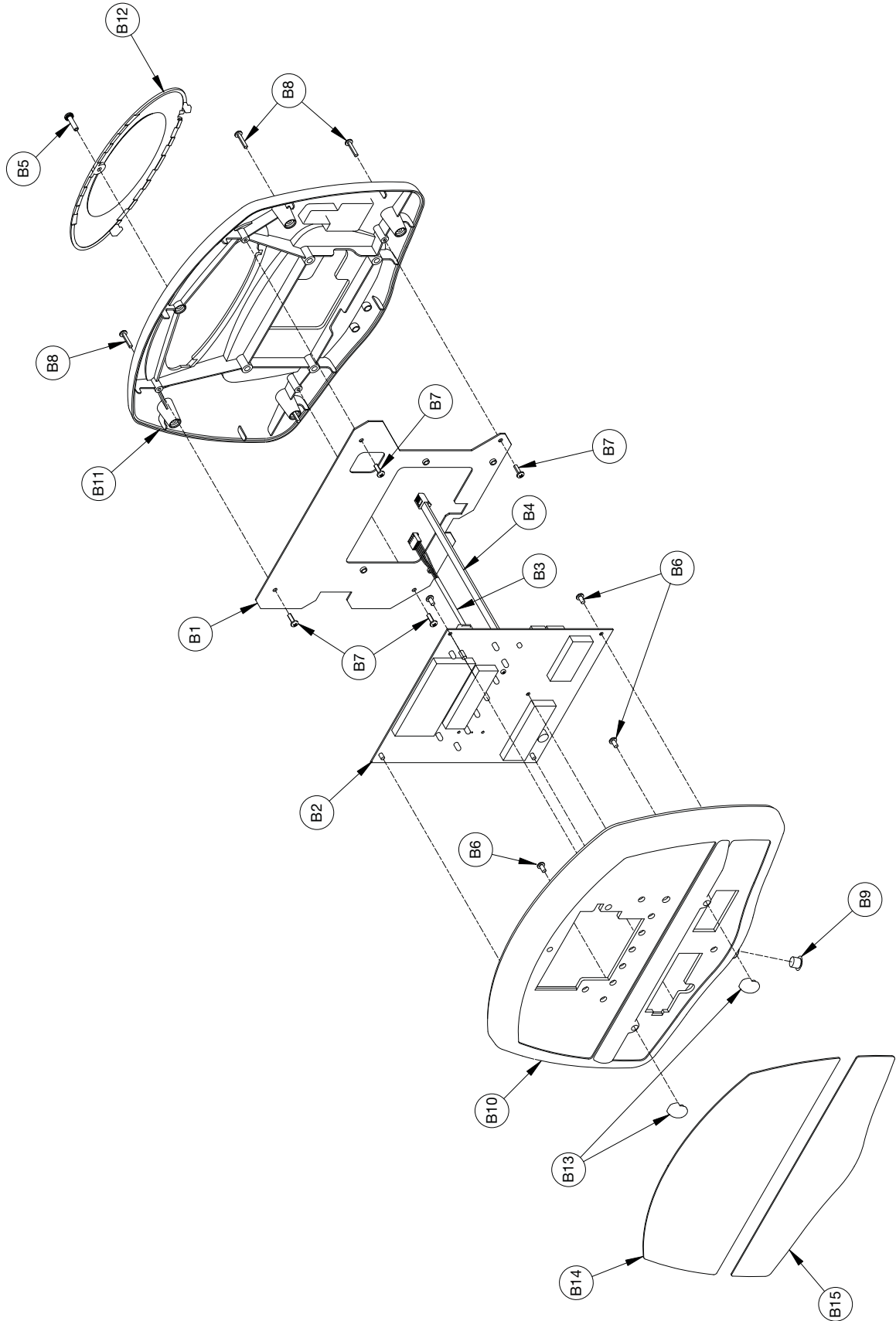
Main Frame Assembly



Console Assembly

ITEM	QTY	PART NO.	DESCRIPTION
B1	1	610A-396	PLATE, CONSOLE MOUNTING
B2	1	AD-21513-Q	PCA, 425A MAIN DISPLAY
B3	1	AW-19617	HARNESS, 425A HR CONSOLE
B4	1	AW-19619	CABLE, 425A CONSOLE RJ45
B5	1	HJ582515	SCREW, SEMS, 10-32 X .75 PHIL PAN, BLK ZINC
B6	7	HT552509	SCREW, TAP 8-16 x .31 PLASTITE
B7	4	HT552512	PAN HD PHIL HD SELF TAPPING, 8-16 x .50 TYPE WB
B8	4	HT552515	PAN HD PHIL HD SELF TAPPING, 8-16 x .75, TYPE WB BLACK
B9	1	PP080207	INSERT, PLASTIC .437 DIA 11 GA
B10	1	PP620003	CONSOLE, FRONT PLASTIC
B11	1	PP620004	CONSOLE, REAR PLASTIC
B12	1	PP620005	COVER, CONSOLE BATTERY DOOR
B13	2	PP620006	TAB, BOOK HOLDER
B14	1	SW-21556-X*	MEMBRANE, 425A TOP
B15	1	SW-21557-4	MEMBRANE, 425A BTM W/O AV
B15	1	SW-21558-X*	MEMBRANE, 425A BTM W AV

Console Assembly

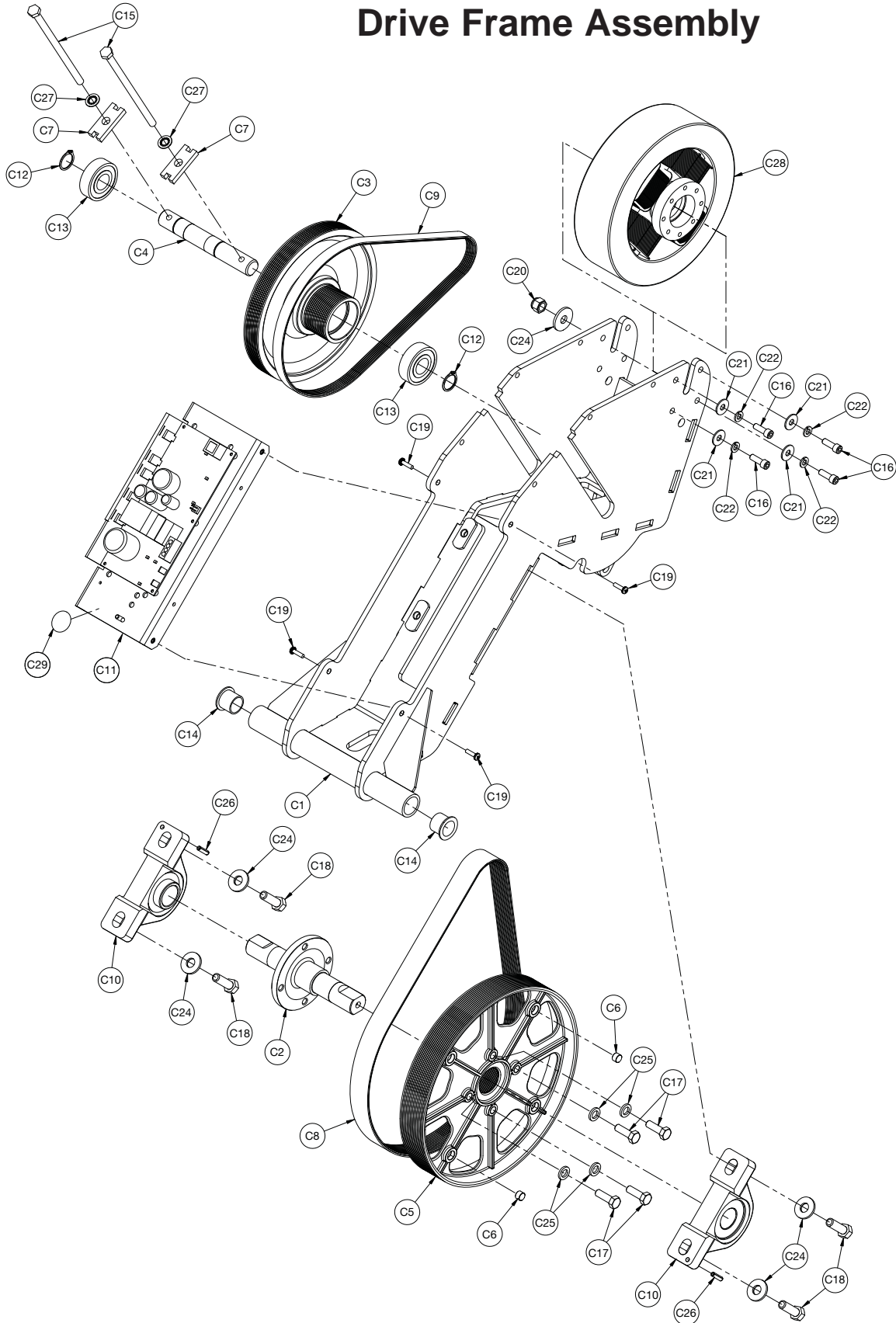


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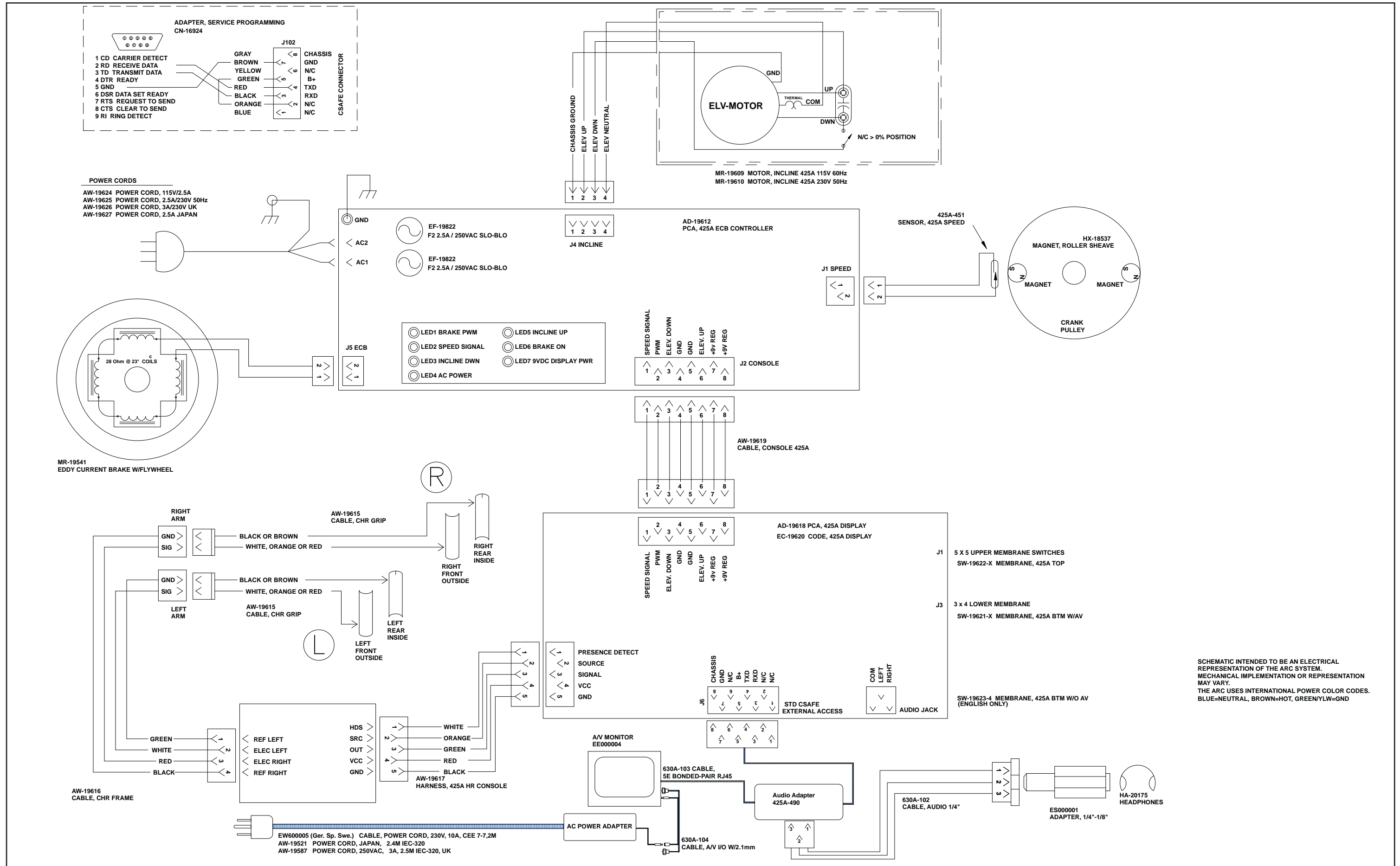
Drive Frame Assembly

ITEM	QTY	PART NO.	DESCRIPTION
C1	1	425A-211	W BOX
C2	1	425A-313	SHAFT
C3	1	425A-320	PULLEY, SECONDARY DRIVE
C4	1	425A-322	SHAFT, SECONDARY DRIVE
C5	1	425A-337	PULLEY, PRIMARY DRIVE
C6	2	425A-364	MAGNET
C7	2	425A-373	ADJUSTER, BELT TENSION
C8	1	425A-455	BELT, PRIMARY DRIVE
C9	1	425A-456	BELT, SECONDARY DRIVE
C10	2	600A-340	BEARING, 1.00 INCH PILLOW BLOCK
C11	1	AD-19612	PCA, 425A CONTROLLER
C12	2	BR030227	RETAINING RING, 20 MM EXTERNAL
C13	2	FB030254	RADIAL BEARING 20 MM
C14	2	FB130212	BUSHING, FLANGE .75 ID x .875 OD x .75 LG
C15	2	HC321258	SCREW, HEX HEAD CAP .312-18 x 6.000
C16	4	HC622815	SHCS .250-20 X .750
C17	4	HC661217	HX HD CAP SCREW .312-18 X 1.00
C18	4	HC701220	BOLT, HHCS .375-16 x 1.25
C19	4	HJ582515	SCREW, SEMS 10-32 x .75 PHIL PAN, BLACK ZINC
C20	1	HN704901	LOCKNUT, .375-16 NYLON
C21	4	HS307600	WASHER SAE .250
C22	4	HS308300	SPLIT LOCKWASHER .250
C23		HS347600	WASHER, SAE .375 REMOVED 3-22-10
C24	5	HS347700	WASHER, USS .375
C25	4	HS760100	SPRING RETAINING WASHER
C26	2	HX-17023	PIN, SPRING .1875 x .75 LG, TYPE 420
C27	2	HS328300	LOCKWASHER INT TOOTH .312
C28	1	MR-19541	ASSEMBLY, ECB (SINGLE ROW BEARING)
C29	1	CM000237	LABEL, SAFETY GROUND

Drive Frame Assembly



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