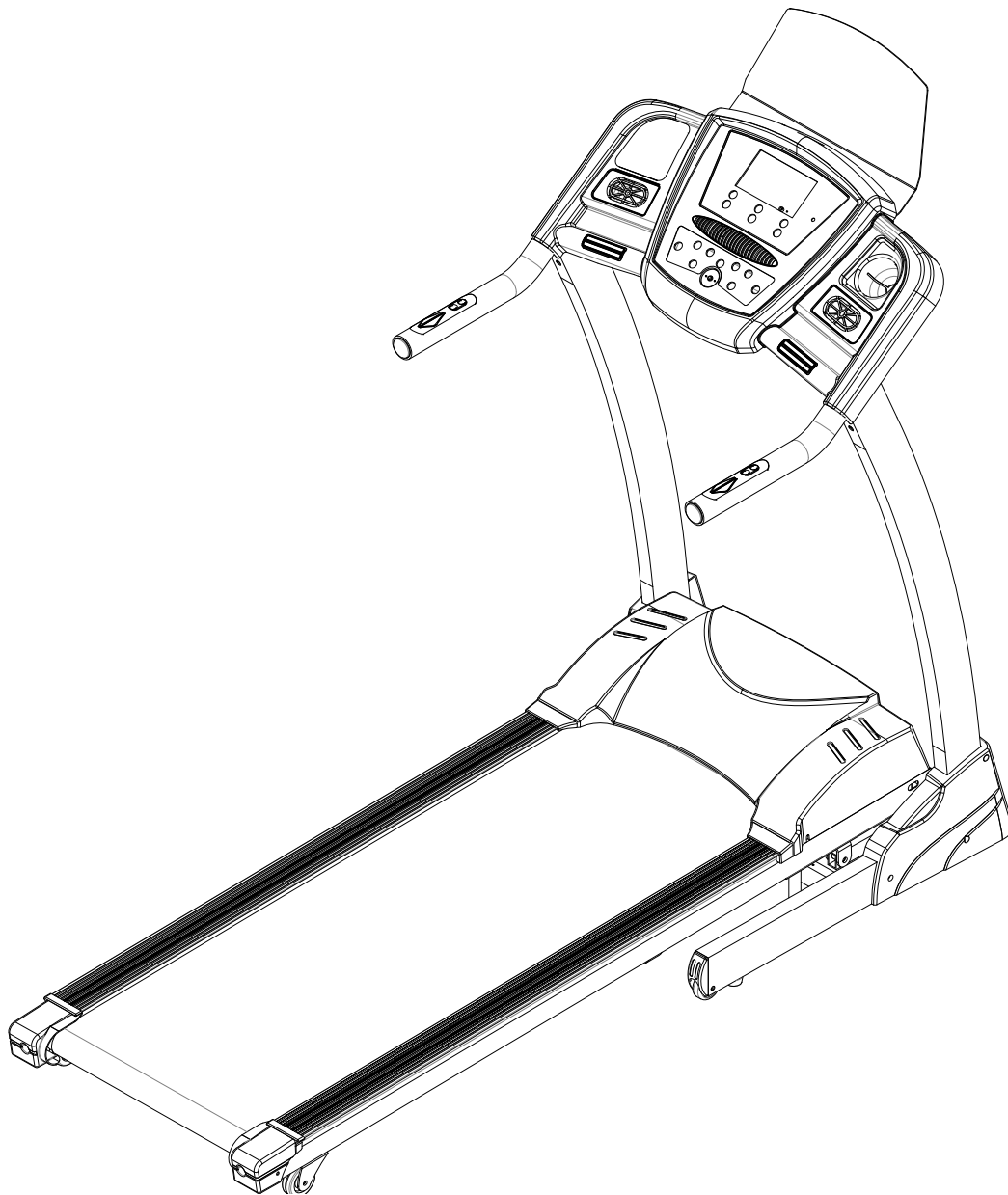# Healthstream
Make it happen

Motorized Treadmill Owner's Manual
AVENGER

PLEASE READ ALL INSTRUCTIONS IN THE OWNER'S MANUAL.
CAREFULLY BEFORE ASSEMBLY AND USE OF THE TREADMILL,
AND KEEP IT FOR FUTURE REFERENCE.

CONTENTS

Important Safety Precautions

Before starting any exercise Programme, consult with your physician or health professional.

This applies especially to persons above 35 years old or to people who have had health problems before.

Please do not turn on the power to the Treadmill until assembly is completely finished and the motor cover is attached.

Please do not plug any electrical or other equipment or items into any parts of this equipment, or damage may result.

When using this Treadmill, keep the safety pull pin lanyard attached to your clothes or belt. In case of unforeseen circumstances or accidents, the Treadmill will come to a complete stop when the pull pin is disengaged from the console.

If you are using the Treadmill for the first time, please hold the handrail until you feel comfortable with running on the running belt.

Never start the treadmill while you are standing on the walking belt, and always stand on the foot rails on the sides of the frame until the belt is moving.

Do not wear long, loose fitting clothing that could become caught in the Treadmill. Always wear running or aerobic shoes with rubber soles.

Treadmills should only be used unsupervised by adults; If a child wishes to use a Treadmill they should have adult supervision.

Please do not let small children or pets approach the Treadmill during operation.

Position the Treadmill on a clear, level surface. Do not place the Treadmill on thick carpet as it may interfere with proper ventilation of the machine.
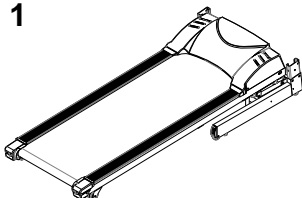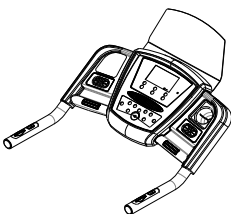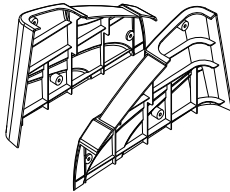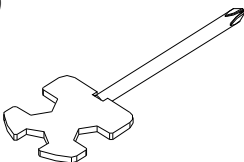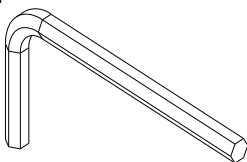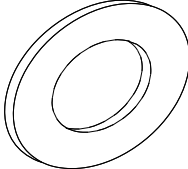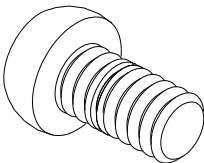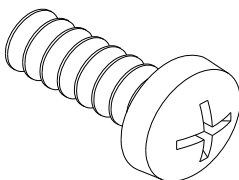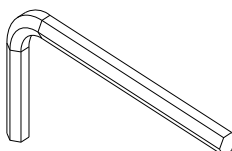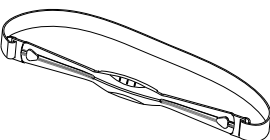
When the Treadmill is not in use, the power cable should be unplugged and the safety pull pin removed.

Please note that the power cable for this Treadmill specially made, and if it is broken, please contact your distributor quickly to obtain a new one.

Please do not exercise for the first 40 minutes after eating a meal.

Please turn off any music when you are testing your Pulse rate with a wireless chest belt.

WHEN YOU OPEN THE CARTON, YOU WILL FIND THE PARTS ILLUSTTATED BELOW, IF ANY PARTS ARE MISSING – PLEASE CONTACT YOUR DEALER IMMEDIATELY.

1	3	4L/R	8
MAIN FRAME 1PC	COMPUTER 1PC	UPRIGHT 2PCS	FRONT COVER 2PCS
30	31	43	52
SCREW DRIVER 1PC	ALLEN WRENCH 1PC	L POWER PLUG 1PC	FLAT WASHER 14PCS
62	63	76	77
BOLT M8*15 14PCS	BOLT M4*15 4PCS	SAFTY LOCK 1PC	ALLEN WRENCH 1PC
94			
WIRLESS CHEST BELT RECEIVER1PC			

Step 1：Open the box and put the mainframe on the floor. Connect the COMPUTER MIDDLE WIRE Connector (46) and COMPUTER BOTTOM WIRE Connector (45). Loosely bolt the UPRIGHTS (4L/4R) onto the MAIN FRAME (1) with HALF ROUND HEAD HEX BOLTS (62) and FLAT WASHERS (52).
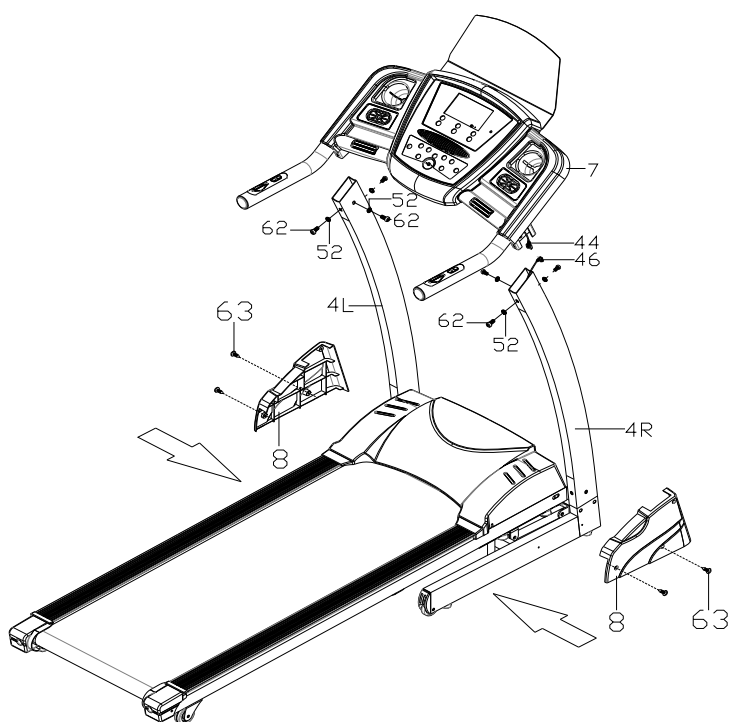
STEP 2: Connect the COMPUTER UPPRIGHT WIRE (44) and COMPUTER MIDDLE WIRE(46). Fix the COMPUTER (7) onto the UPPRIGHTS (4L/4R) with HALF ROUND HEAD HEX BOLTS (62) and FLAT WASHERS (52). Then lock tightly. Lock the FRONT COVER (8) onto the MAIN FRAME (1) with CROSS HALF ROUND BOLTS (52).

4

STEP 3：Put the SAFETY LOCK (76) onto the COMPUTER (7).
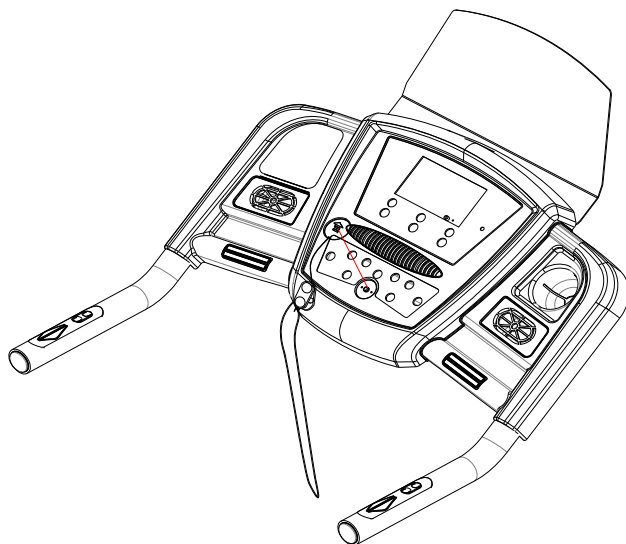
ATTENTION: Please double check that all assembly steps are completed and that all bolts and screws are tight. Please read these instructions carefully before starting the Treadmill.

FOLDING INSTRUCTIONS:

Lift up the bed of the machine and continue to lift until you hear a "click" that is made by the safety casing engaging the pneumatic cylinder.
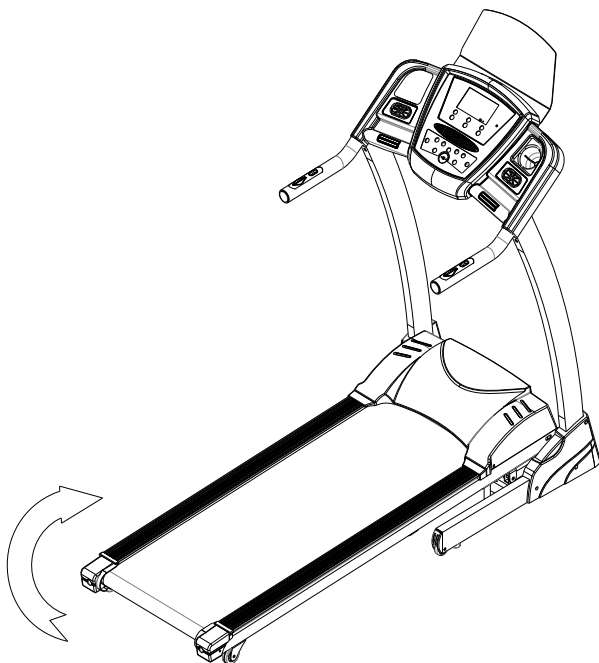
UNFOLDING INSTRUCTIONS:

Holding the bed of the machine with both hands, use your foot to kick the safety sleeve lightly, to disengage it. Then pull down the bed in the same direction as the arrow. You can now let go of the bed and it will fall slowly and smoothly to the ground.
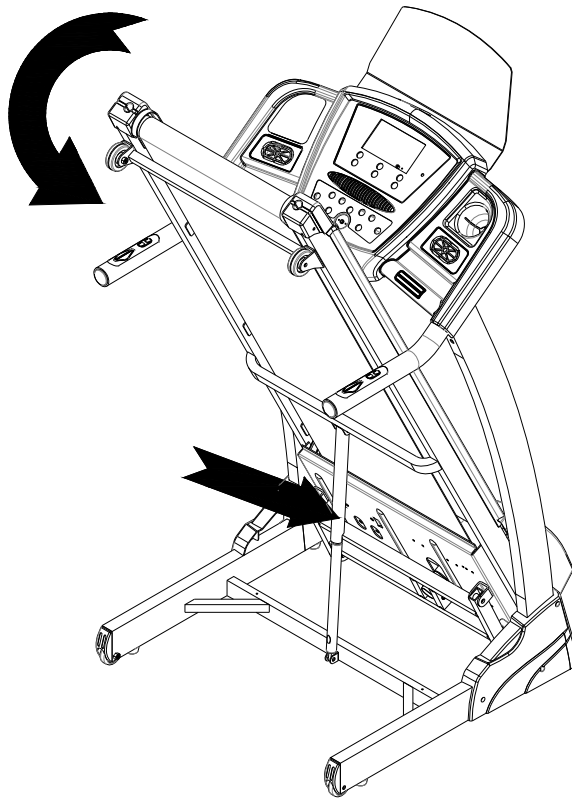
Incline Instructions:

Buttons marked【INCLINE+】【 INCLINE-】and【 + 】【 - 】on the left handrail are incline add and subtract buttons in 1 increments. To adjust the incline when the treadmill is running, press the button for more than 2 seconds, to add or subtract inclination.

The computer also has shortcut keys 5, 8, 12

Picture A shows incline "12", Picture B shows incline "0".

PICTURE A
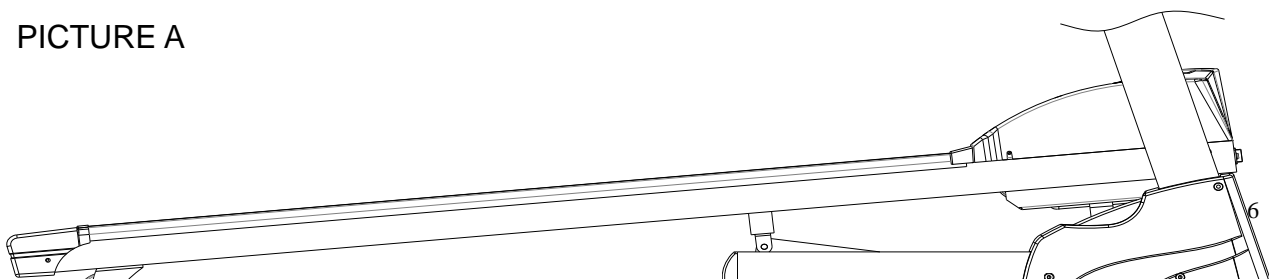
PICTURE B
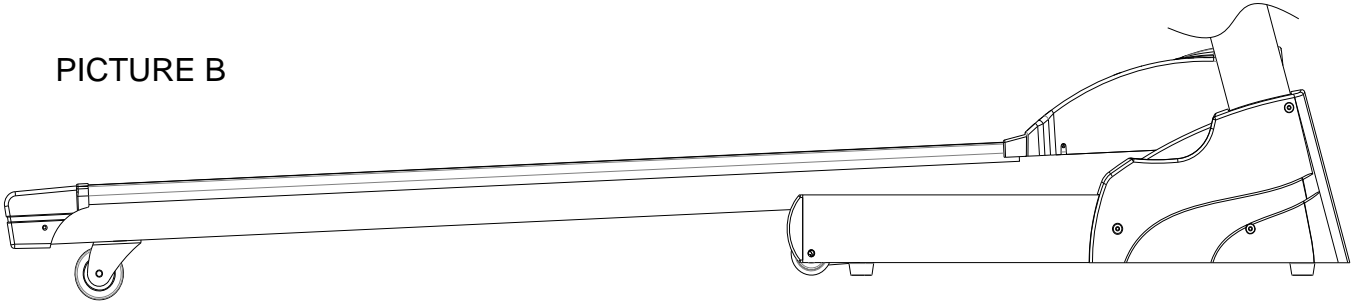
GROUNDING:

This product must be grounded. If the machine should malfunction or breakdown, the grounding will provide a path of least resistance for the electric current thus reducing the risk of electric shock. This product is equipped with a power cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER – Improper connection of the equipment-grounding conductor can result in 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, please have a proper outlet installed by a qualified electrician.

This machine is for use on a nominal 230-volt circuit and has a grounding plug illustrated in the sketch below. Please make sure that the machine is connected to an outlet having the same configuration as the plug. No adapter should be used with this product.
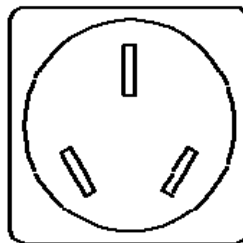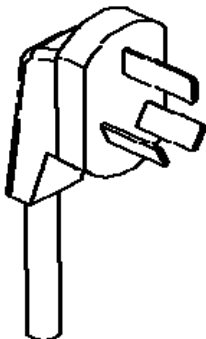
OPERATIONS GUIDE

WINDOW DISPLAYS
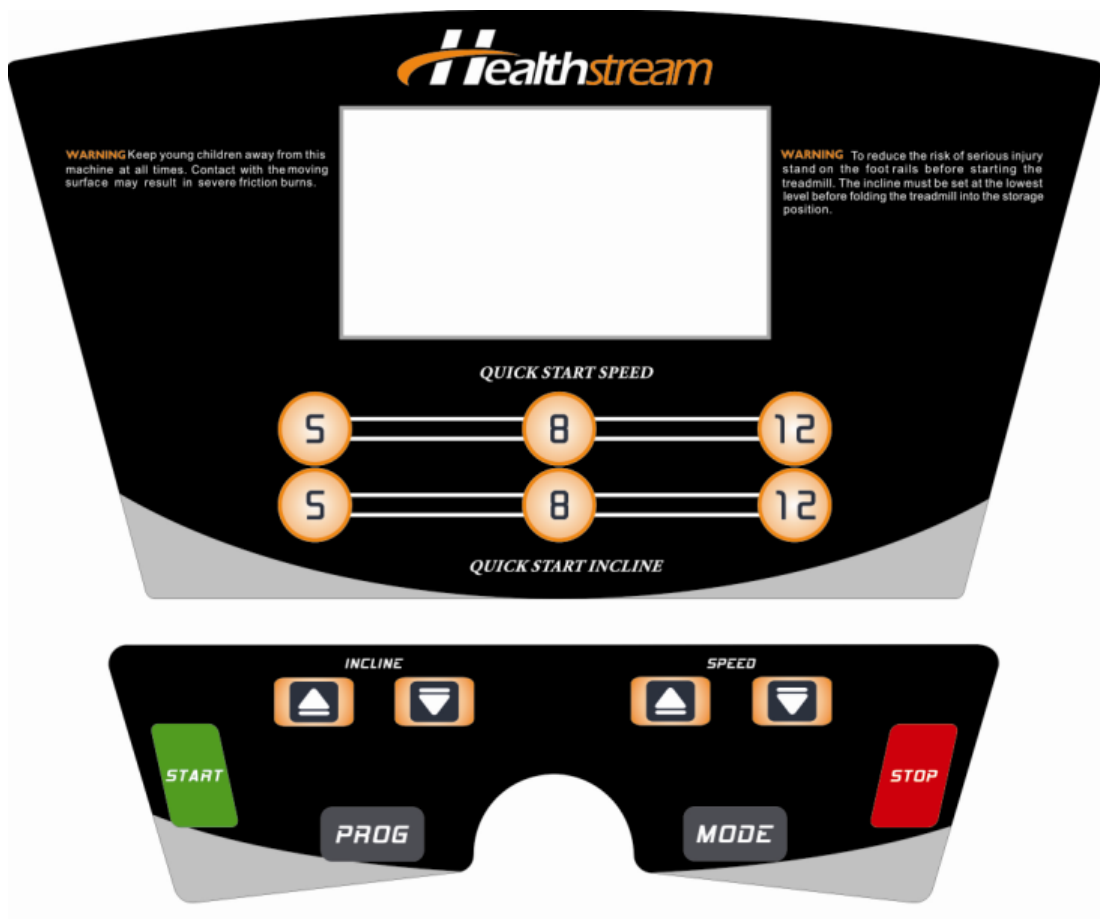
START BUTTON:

Press this button to start. After a 5 second countdown, the treadmill will start with the lowest speed of 1KM/H or default speed.

STOP BUTTON:

Press this button to stop.

PROGRAM BUTTON:

For choosing your Program - Available Programs are: P01-P12, U1-U2, FAT, HRC

MODE BUTTON:

To choose between manual mode and countdown modes: TIME COUNTDOWN, DISTANCE COUNTDOWN and CALORIE COUNTDOWN.

SPEED + - BUTTON:

SPEED + & SPEED – Set default count; to adjust the speed when treadmill starts, the scope is 0.1 km/Hr in KMH.

SPEED SHORTCUT BUTTON：

5   8   12 adjusts the speed when the treadmill running.

INCLINE + - BUTTON:

INCLINE + & INCLINE －Set default count; to adjust incline when treadmill starts, the scope is 1% increments。

INCLINE SHORTCUT BUTTON：

5 8 12 adjustable incline.

SHORTCUT KEY on the left handrail: adjusts the incline.

SHORTCUT KEY on the right handrail: adjusts the speed.

DISPLAYS:

SPEED:

• In manual mode, the screen displays the current SPEED, the range is 1.0-16.0KM/H.

• In the built-in Program, the screen displays Program numbers (P01-P12)

DISTANCE:

This screen displays running distance. Forward count is 0.00-99.9, and then beyond that, forward count will return to 0; Countdown starts from setting the start value to 0, and when countdown reaches 0, the treadmill will slow down smoothly until stopped. In countdown mode the window will flash to prompt the user to set the distance.

PULSE/INCLINE:

Displays the pulse rate value when holding the hand pulse sensors, the pulse rate is displayed in this window, and the corresponding lamp will be lit. The pulse rate value is 50-200 beats/minute. This data is only for reference and cannot be used as medical data.

Displays incline value when pulse rate is not being used. Incline range: 0-12%

Note: if you are testing the pulse rate, the pulse rate value will be displayed preferentially than the incline.

TIME:

Displays your actual running time. Forward count is 0:00-99:59. When the time reaches 99:59, (ninety nine minutes and fifty nine seconds) the treadmill will slow down smoothly until it comes to a stop. Countdown starts from the setting value to 0:00 and ends when countdown reaches 0:00, and the treadmill slows down smoothly until stopped.

CALORIES:

Displays the calorie value. Forward count is 0-999 and when reaching 999 it will return to zero. Countdown starts from setting the value to 0, and when countdown is 999, the treadmill will slow down smoothly until stopped. In countdown mode the window will flash to prompt the user to set the calorie value.

PULSE FUNCTION:

• When the treadmill is running, hold the handle pulse sensors firmly for about 5 seconds, after which the screen will display pulse data.

• When displaying pulse; the screen will show heart-shaped graphics.

• To get a more accurate pulse rate, please test again with the treadmill stopped, and hold the hand pulse sensors for more than 30 seconds.

Notes:

1. This data is only for reference and cannot be used as medical data.

2. When you are wearing wireless chest belt, the computer system will display the data tested by the belt and will not read data from the hand pulse sensors.

3. Although this data is more accurate, it's easily disturbed by MP3 functions.

4. For accurate readings its best to keep the distance between you and the computer to less than one meter.

PROGRAM EXERCISE CHART

MODE	TIME INTERVAL	SET TIME/10=EVERY GRADE TIME									
		1	2	3	4	5	6	7	8	9	10
P1	SPEED	2	4	3	4	3	5	4	2	5	3
	INCLINE	1	2	3	3	1	2	2	3	2	2
P2	SPEED	2	5	4	6	4	6	4	2	4	2
	INCLINE	1	2	3	3	2	2	3	4	2	2
P3	SPEED	2	5	4	5	4	5	4	2	3	2
	INCLINE	1	2	2	3	1	2	2	2	2	1
P4	SPEED	3	6	7	5	8	5	9	6	4	3
	INCLINE	2	2	3	3	2	2	4	6	2	2
P5	SPEED	3	6	7	5	8	6	7	6	4	3
	INCLINE	1	2	4	3	2	2	4	5	2	1
P6	SPEED	2	8	6	4	5	9	7	5	4	3
	INCLINE	2	2	6	2	3	4	2	2	2	1
P7	SPEED	2	6	7	4	4	7	4	2	4	2
	INCLINE	4	5	6	6	9	9	10	12	6	3

P8	SPEED	2	4	6	8	7	8	6	2	3	2
	INCLINE	3	5	4	4	3	4	4	3	3	2
P9	SPEED	2	4	5	5	6	5	6	3	3	2
	INCLINE	3	5	3	4	2	3	4	2	3	2
P10	SPEED	2	3	5	3	3	5	3	6	3	3
	INCLINE	4	4	3	6	7	8	8	6	3	3
P11	SPEED	3	5	8	8	9	5	7	6	3	2
	INCLINE	4	5	6	6	9	9	10	12	6	3
P12	SPEED	2	5	5	4	4	6	4	2	3	4
	INCLINE	3	5	6	7	12	9	11	11	6	3

Manual Mode parameter setting:

Countdown initial setting 15：00 minutes，setting range 5：00---99：00 minutes, stepping 1：00.

Countdown calorie initial setting 50 thermal, setting range 10---990 thermal stepping 1.

Countdown distance initial setting 1.0km，setting range 0.5---99.9km，stepping 0.1.

Cycle switch order is: manual, time, distance, calories.

BODY TESTER（FAT）

- Press PROGRAM and continue until you reach the FAT body fat tester section.
- The window will now display "FAT".
- Press MODE and enter F-1 SEX (01=male, 02=female), F-2 AGE (default is 25), F-3 HEIGHT (default is 170), F-4 WEIGHT (default is 70KG)
- Then press F-5 FAT TESTER.
- Press SPEED + or SPEED - to set.
- Press MODE to set F-5, grasp the hand pulse sensors firmly
- The window will display your body quality index in approximately 5 seconds.
- The body quality index is basically the relationship between height and weight.

According to the weight of Asian people: (≤18)-UNDER WEIGHT, (18—23)- NORMAL WEIGHT, (23—28)- OVER WEIGHT, (≥29)- OBESITY

POWER SAVING MODE:

This system includes a power saving mode, when the treadmill is not running, If there is no button input for 10 minutes, the system will enter power saving mode and close the display down. Press any button to awaken the system.

SAFETY LOCK FUNCTION:

The treadmill will stop quickly when the safety lock is taken away. By replacing the safety lock, you can operate the treadmill again immediately.

HRC Program

When the treadmill stops, press the program to choose the HRC.

A: Press "mode" to set the age, range 18-50 etc

B: Press "mode" to set the heart rate, range 80-(220-AGE)x0.9.

C: Press "mode" to set the time, then you can start the treadmill.

Press the "start" key to start running

A: Speed is 3.0KM with no incline

B: Run 1 minute at 3.0KM/H.

C: Count the rate data(Target heart rate-user heart rate), and compare to 30 (follow below):

1): (Target heart rate-user heart rate)>30, then speed add 2km/h

2): (Target heart rate-user heart rate)<30, then speed add 1km/h

3): (User heart rate-target heart rate)>30, then speed less 1km/h

4): (User heart rate-target heart rate)<30, then speed less 1km/h

D: Repeat the third action after 30 seconds

E: The machine will slow down to 1km/h directly for 15 seconds and alter every second when the user heart rate is over the date(220-age) at any time, then stop.

F: The speed will not change if there is no heart rate sign or hand pulse. The machine will slow down to 1km/h directly for 15 seconds and alert every second.

USER DEFINED PROGRAMS (U1-U2)

For User Defined Programs setting:

• Press PROG until it shows the user Program (U1, U2).

• Choose one and enter it.

• Press MODE enter into time set, the range is 5:00-99:00

• Press MODE again and use "SPEED +/-" or "INCLINE +/-" to select your desired speed or incline, press MODE once more and your choice will be set, then the next workout segment will flash.

• Please go through the same set up as you completed with segment one to complete all 10 segments.

- When all the data is entered, the computer will flash OK and your personal user Program is now saved and ready to use.
- When using your user Program the screen will switch from incline to speed and your set Programmed levels will be displayed.

OTHERS

The window displays **END** after running one countdown parameter, and every

2 seconds will make an 0.5 second alarm sound until the treadmill is topped, when it will

return to manual mode status.

Countdown time, there is a choice between countdown calorie and countdown distance,

but only one can be set.

Calorie standard value is 30 therm /km

Getting Started:

PREPARATION

If you are around 35 years old or more, or have health problems, or if this is your first time to do fitness exercises, please consult doctor or professional before using the Treadmill.

Learn the Machine:

Before doing any exercise, please stand on the side to learn how to operate the Treadmill, practicing things such as start, stop, and speed/incline adjustments. After that stand on the deck of the Treadmill, hold the handrails firmly. Start at low speeds 1.6--3.2 km/h, stand straight, look forward, one foot try to do few times, then stand on the belt to do some trial exercise. After learning the functions and adapting to the motion of the machine, you can adjust the speed to 3--5 km/h and keep going for gradually lengthening periods.

BEGINNING EXERCISE

To walk 1 km at constant speed needs about 15-25 minutes depending on your comfort level, so please try this then record it. Next, try walking 1km at 4.8 km/h which should take about 12 minutes. If you can do this easily a few times, then you can adjust the speed and incline, and go on to do 30 minutes.

AMOUNT OF EXERCISE

SHORTCUT - The best way to save time is do 15-20 minutes exercise.

Warm up for 2 minutes at 4.8 km/h, and then adjust the speed to 5.3 km/h and then to 5.8 km/h, and continue to exercise for 2 more minutes. Then add 0.3 km/h per 2mins speed increase, until you feel breathing quickening but you are not breathing hard. Keep this speed to do exercise, if feels uncomfortable at any time then please reduce the speed to a more comfortable level.

CONSUMPTION OF CALORIES – This is a good way to eat up some calories

Warm up for 5 minutes by at 4 to 4.8 km/h speed, then add 0.3 km/h per 2 minutes increasing speed, then you can do 45mins exercise at the speed that you feel is comfortable but challenging. In order to gain strength, do more exercise. For example, you can run 1 hour at this speed watching TV and then maybe add 0.3 km/h speed when the advertisements come up. Then, maybe return the speed the original setting when the next programme comes on. This type of exercise regime is a real calorie burner but please remember to keep the 4 minutes reducing the speed.

EXERCISE FREQUENCY

Target is 3--5 times per week, doing 15-60 minutes each time. It is much better to make and keep to a time schedule, and not just exercise when you feel like it. If you feel the need for more strenuous exercise, then please use the speed and incline controls. However, we'd suggest that you do not set incline when starting the exercise period.

Please consult professional staff before doing exercises. They will help with recommendations on exercise rate/intensity and time according to your age and health condition. When running, if you feel chest tightness or chest pain, irregular heartbeat, shortness of breath, dizziness or other symptoms, please stop immediately

If you have no experience or can't be sure of the exercise speed for you, then you can   reference the below standards:

Speed 1-3.0 km	people with weaker constitutions.
Speed 3.0-4.5 km	sedentary people who do not often exercise.
Speed 4.5-6.0 km	moderately fast walking people.
Speed 6.0-7.5 km	fast walking people.
Speed 7.5-9.0 km	joggers.
Speed 9.0-12.0 km	intermediate speed runners.
More than 12.0 km	excellent runners.

ATTENTION : It is OK for walkers to choose less than or equal to 6 km speed.
               It is OK for runners to choose more than or equal to 8.0 km speed.

Warm Up Exercises:
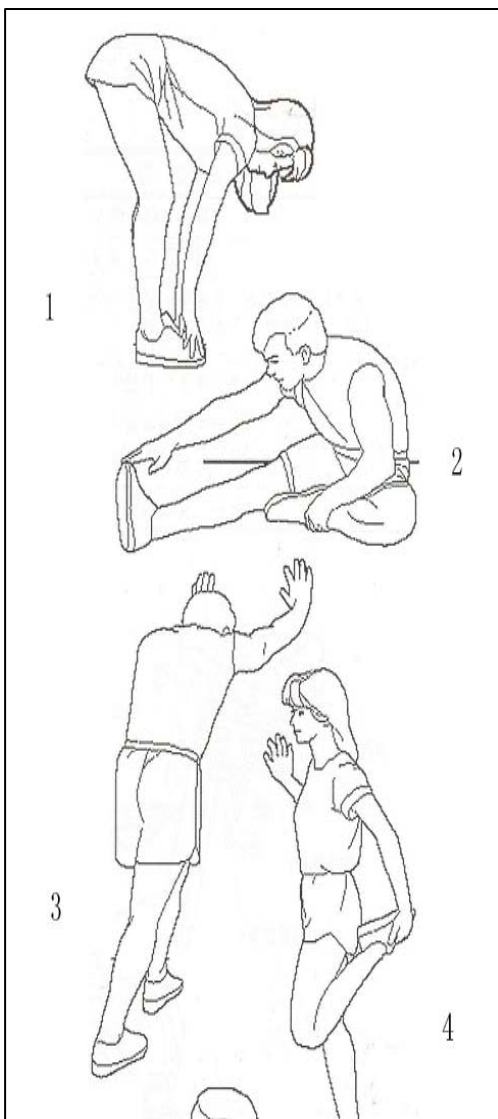
It is better to do some warm-up exercise. Warm the muscles by easy stretching, and use 5-10 minutes to warm-up. Then stop and the illustrated methods do stretch exercises repeating five times, and then for each foot do 10 seconds or more every time. After running, repeat these stretch exercises.

1. Reach Downs: Knees slightly bent and body slowly bent forward, back and shoulders relax, trying to touch your toes. Keep 10-15 seconds, and relax. Repeat 3 times (See picture l).

2. Hamstring Stretches: Sitting on a soft cushion, put one leg straight, the other inward and close to the inside of the straight leg. Try to touch your toes by hand. Keeping 10-15 seconds, and relax. Repeat 3 times for each leg (See picture 2).

3. Crus and Feet Tendon Stretches Standing with two hands on the wall, one leg behind. Keeping your legs straight and the heel on the ground, tilt to the wall or tree. Keep 10-15 seconds, and relax. Repeat 3 times for each leg (See picture 3).

4. Quadriceps Stretches keeping your balance with your left hand holding on the wall or table, then stretch your right heel toward your buttocks slowly, until you feel very tense in the front of your thigh. Keep10-15 seconds, and relax. Repeat 3 times for each leg (See picture 4).

5. Sartorius (Inner Muscles of the Thigh) Muscle Stretches Sitting down with your soles opposite and knees outward. Pull feet

toward groin Keep 10-15 seconds, and relax. Repeat 3 times (See picture 5).

Maintenance:

Checking Belt Tension:

If you feel the running belt has occasional pause when you are running, the running belt or motor belt is probably too loose and you'll need to adjust it.

Judgment methods:

Step 1: Open the motor cover then let the Treadmill work at the slowest speed.

Step 2: Stand on the running belt and move together with it, hang on to the handrails and try your best to press down and stop the running belt with your feet.

Step 3: If the running belt doesn't stop when you press it, then it's working and adjusted fine.

If the running belt stops when you press it, but the front roller doesn't stop, then you need to adjust the belt tension.

If the running belt and front roller stop when pressing down on the belt, then the motor drive belt is too loose and you'll need to adjust it.

Motor Drive Belt Adjustment method:

Step 1: Remove the power plug from the wall and then remove the motor cover.

Step 2: Loosen the four motor attachment bolts, then adjust the threaded bar with 6# Allen wrench.

As a quick test, if you can use one hand to twist the motor belt by 120°or more, then the motor belt is too loose. It should be adjusted tightly. Tighten until you can only twist the belt by about 60°, then the motor belt is just right.

Step 3: Re-tighten the motor attachment bolts and replace the motor cover.

WARNING

Please make sure to remove the power plug before cleaning or maintaining the Treadmill.

CLEANING

- General cleaning of the unit will greatly prolong the Treadmill's life.
- Keep the Treadmill clean by dusting regularly.
- Be sure to clean the exposed parts of the deck on either side of the walking belt, and also the side rails as this reduces the buildup of foreign material underneath the walking belt.
- Make sure your running shoes are clean.
- The top of the belt may be cleaned with a wet soapy cloth but be careful to keep the cleaning liquid away from inside the motorized Treadmill frame or from underneath the belt.
- At least once a year remove the motor cover and vacuum inside.
- This Treadmill's walking belt and deck are equipped with a pre-lubricated, low maintenance deck system. The belt/ deck friction may play a major role in the function and life of your Treadmill, thus requiring periodic lubrication. We recommend a periodic inspection of the deck.
- We recommend lubrication of the deck according to the following timetable:

Light user (less than 3 hours/ week)	annually
Medium user (3-5 hours/ week)	every 6 months
Heavy user (more than 5 hours/ week)	every 3 months

We suggest you buy lubricating oil from local distributors or contact our company directly.

For other maintenance please ask professionals for help.
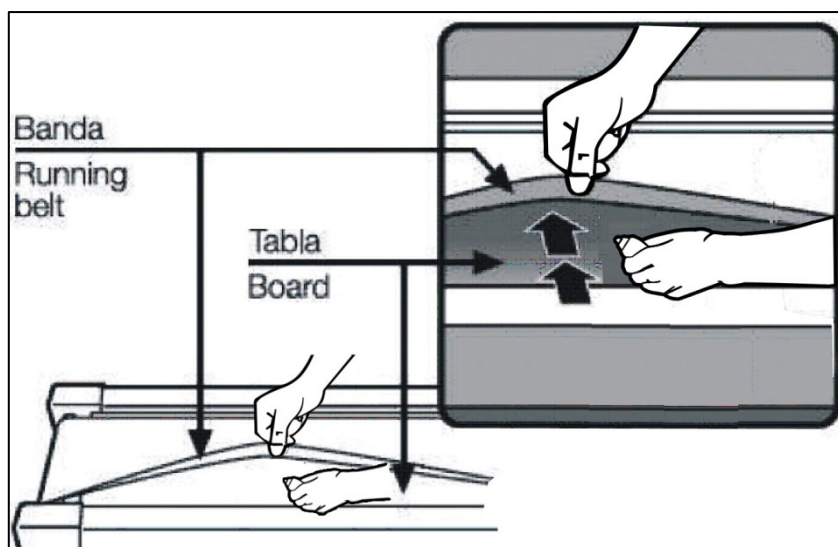
Adjusting the Running Belt:

Place the Treadmill on a level surface then set it to run at approximately 6-8 km/h. Observe the running belt deviation to the right or left.
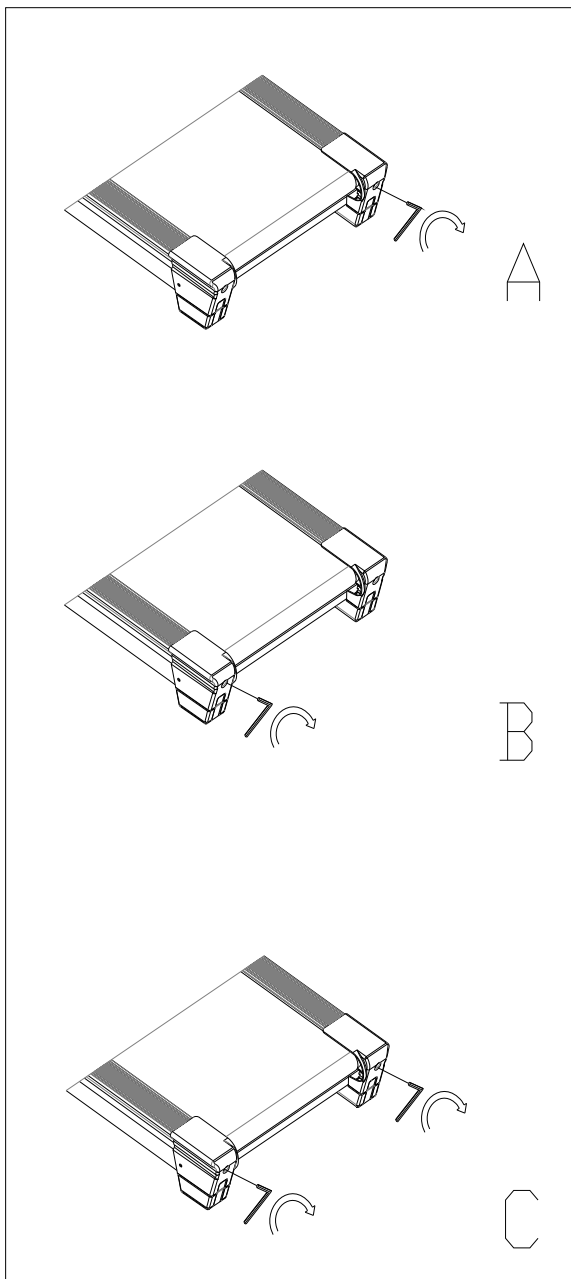
If the belt is drifting to the right, unplug the safety lock and power switch, and turn the right adjusting bolt 1/4 turn clockwise, then insert the power switch and safety lock, run the Treadmill and observe the running belt deviation condition. Repeat above steps until the running belt rolls nicely in the middle. **See picture A**

If the Treadmill belt is drifting left, then repeat the steps above steps until the belt is centered. **See picture B**

The Treadmill belt tension will gradually relax after a prolonged period of use. In this case, unplug the safety lock, and turn off the power. Then turn the two adjusting bolts, one on each foot clockwise 1 / 4 turn. Then turn on the safety lock and power and run the Treadmill. Stand on the belt to confirm the tightness. Repeat the above steps until the belt reaches moderate tightness. **See picture C**

EXPLODED DRAWING:
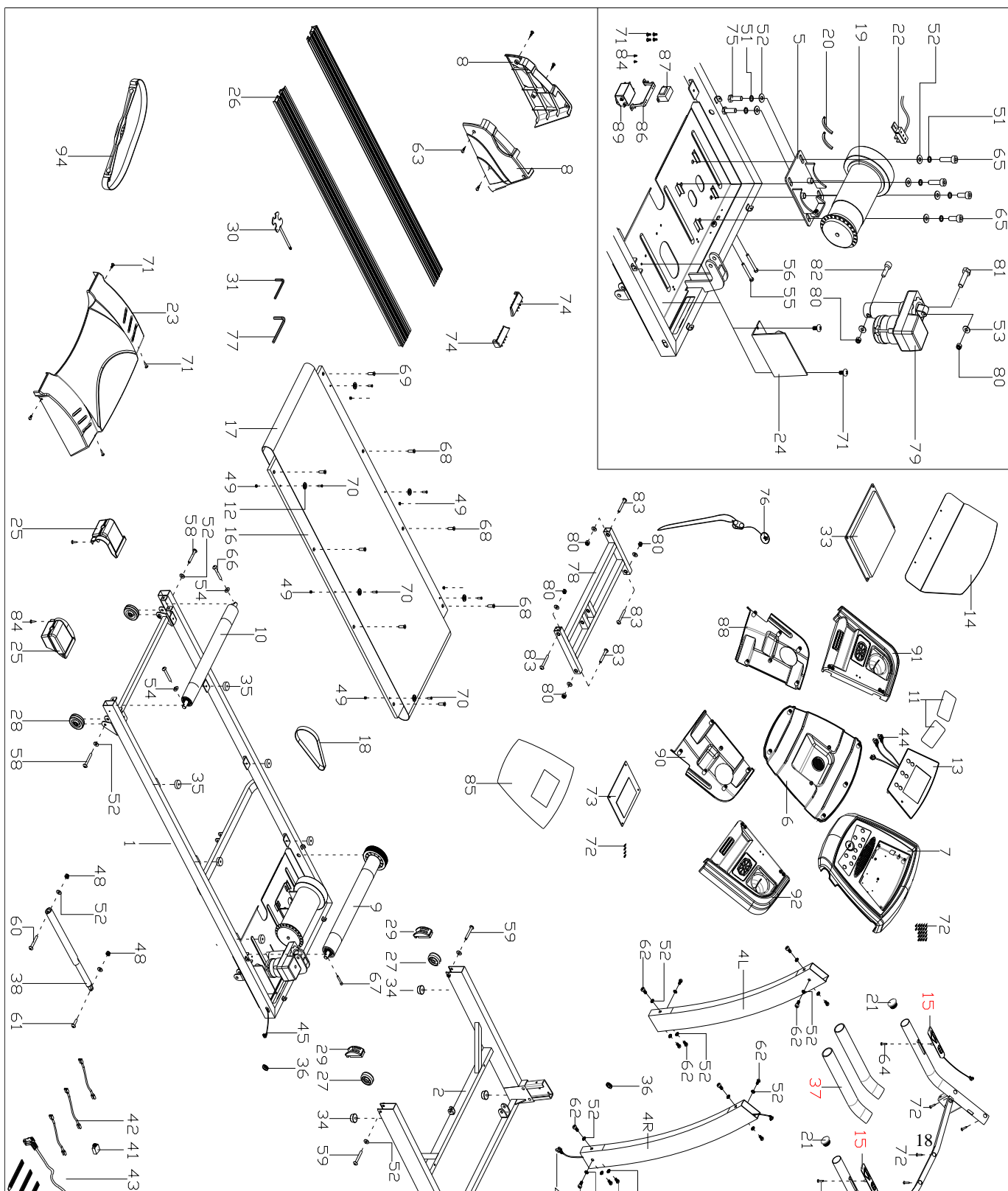
PARTS LIST:

NO.	DESCRIPTION	REMARK	Q'Y	NO.	DESCRIPTION	REMARK	Q'Y
1	MAIN FRAME		1	26	EDGINGS		2
2	BASE FRAME		1	27	MOVING WHEEL	$8.2* $51.5*20	2
3	COMPUTER BRACKET		1	28	ADJUSTMENT WHEEL		2
4L\R	UPRIGHT		2	29	MOVING WHEEL PIPE PLUG	30*80*t2.0	2
5	MOTOR BRACKET		1	30	SCREW DRIVER		1
6	COMPUTER BOTTOM COVER		1	31	ALLEN WRENCH	S5	1
7	COMPUTER MIDDLE COVER		1	32	COVER		1
8	FRONT COVER	SYMMETRY	2	33	INSTRUCTION PLASTIC UPTAKE		1
9	FRONT ROLLER		1	34	PLANAR PAD	$35*15*(M6*10)	6
10	REAR ROLLER		1	35	BLUE CUSHION	$6.2* $30*10	6
11	SPEAKER COVER	SYMMETRY	2	36	RING PROTECTING WIRE PLUG	$12* $18* $24*9	2
12	BOWL WASHER		6	37	HANDRAIL FOAM	$31* $41*265	2
13	COMPUTER BOARD		1	38	CYLINDER	F=35kg	1
14	BOOKSHELF		1	39	POWER WIRE BUCKLE		1
15	SHORTCUT KEYS		2	40	POWER SWITCH	250V/15A	1
16	RUNNING BOARD		1	41	OVERLOAD PROTECTOR	10Amp 125/250VAC	1
17	RUNNING BELT		1	42	SINGLE LINE	150mm	3
18	MOTOR BELT	190-J7	1	43	L POWER PLUG	13A/250V BLACK	1
19	DC MOTOR		1	44	COMPUTER UPPER WIRE	1000mm	1
20	MOTOR CUSHION		2	45	COMPUTER BOTTOM	450mm	1

NO.	DESCRIPTION	REMARK	Q'Y		NO.	DESCRIPTION	REMARK	Q'Y
						WIRE		
21	INNER PIPE PLUG	∮38*t1.5	2		46	COMPUTER MIDDLE WIRE	1000mm	1
22	SENSOR		1		47	CABLE TIE	100mm	7
23	MOTOR TOP COVER		1		48	HEX LOCK NUT	M8	8
24	CONTROLLER		1		49	HEX NUT	M5	6
25L/R	END CAP		2		50	CROSS FLAT HEAD SELF TAPPING BOLT	ST4*10	4

NO.	DESCRIPTION	REMARK	Q'Y		NO.	DESCRIPTION	REMARK	Q'Y
51	SPRING WASHER	∮8.1*∮12.3*t2.1	6		73	COMPUTER CHIP		1
52	FLAT WASHER	∮9*∮16*t1.6	34		74	EDGINGS FRONT COVER	SYMMETRY	2
53	FLAT WASHER	∮11*∮20*t2.0	6		75	HALF ROUND HEAD HEX BOLT	M8*35	2
54	FLAT WASHER	∮6.6*∮12*t1.6	2		76	SAFETY KEY		1
55	ROUND HEAD HEX BOLT	M8*75	1		77	ALLEN WRENCH	S5	1
56	ROUND HEAD HEX BOLT	M8*60	1		78	INCLINE BARCKET		1
57	GASKET HEAD SELF TAPPING BOLT	ST4.2*15	4		79	INCLINE MOTOR		1
58	HALF FOUND HEAD HEX BOLT	M8*50	2		80	LOCK NUT	M10	6
59	HALF FOUND HEAD HEX BOLT	M8*40	2		81	HEX BOLT	M10*45	1
60	HALF FOUND HEAD HEX BOLT	M8*45	1		82	HALF ROUND HEAD HEX BOLT	M10*90	1
61	HALF FOUND HEAD HEX BOLT	M8*25	1		83	HALF ROUND HEAD HEX BOLT	M10*40	4
62	HALF FOUND HEAD HEX BOLT	M8*15	14		84	GASKET SELF TAPPING BOLT	ST4.2*15	6
63	CROSS HALF ROUND HEAD BOLT	M4*15	4		85	COMPUTER OVERLAY		1
64	CROSS ROUND HEAD SELF TAPPING BOLT	ST4*25	4		86	BRACKET		1
65	ROUND HEAD HEX BOLT	M8*20	4		87	INDUCTOR		1
66	ROUND HEAD HEX BOLT	M6*60	2		88	COMPUTER LEFT AND BOTTOM COVER		1
67	ROUND HEAD HEX BOLT	M6*45	1		89	FILTER		1
68	COUNTERSUNK	M6*30	6		90	COMPUTER RIGHT		1

	SCREW				AND BOTTOM COVER		
69	COUNTERSUNK SCREW	M6*20	2	91	COMPUTER LEFT COVER		1
70	COUNTERSUNK SCREW	M5*25	6	92	COMPUTER RIGHT COVER		1
71	GASKET BOLT	M5*10	10	93	COUNTERSUNK SELF TAPPING BOLT	ST4*15	2
72	CROSS FLAT HEAD SELF TAPPING BOLT	ST4*15	27	94	WIRLESS CHEST BELT RECEIVER		1

Fault Codes and Significances:

Fault Code	Fault Description	Fault Processing
E1	Communication abnormal: The control board and computer are not communicating correctly	Stops and goes into fault Status. The machine will not run, the computer shows fault code "E1", and the alarm Beeps three times. Possible Reasons: Check all the connection points between the console and controller. Make sure every line is well connected. Check all the wires are not damaged. If that fails, change the connector wires.
E2	Unusual Voltage condition：Some unusual condition of power or voltage that can cause damage to the motor drive circuit.	Start and stop fault status. The computer will Beep 9 times and shows the "E2" code on the screen. Go into the ready mode and restart the Treadmill. Possible reason: The power or voltage is not enough or the controller is faulty. Make sure that all of the wires are connected correctly
	No Speed Wireless Sensor Network	Stops and go into fault status. Computer shows fault code"E2". Other areas show blank. After 10 seconds the machine will go into ready mode, and can be restarted. Possible Reasons：Computer is not receiving motor speed sensor feedback for more than 3 seconds, please check sensor plug and motor connection wires. Check the controller.
E3	Over-Current Protection	Stops and goes into fault status, computer shows fault code"E3".Other areas show blank. After 10 seconds the machine will go into ready mode, and can be restarted. Possible Reasons：Overvoltage spike makes the system go to self-preservation. Machine parts are seized or not moving for some reason. Check and adjust the machine and restart. Check the DC motor or controller for any signs of burning smells. If detected, please change the burned motor or controller.
E4	Incline self-learning fault	Check incline motor sense wire and AC wire are inserted well; AC wire is right inserted according to the indentify in the incline motor; make sure the incline motor wire without damager; after check those, press the button on controller, then start self-learning again.

E5	Incline sensor fault	Check incline motor sense wire and AC wire are inserted well; AC wire is right inserted according to the indentify in the incline motor; make sure the incline motor wire without damager; after check those, press the button on controller, then start self-learning again.
E6	Explosion-Proof Protection：Some unusual condition of power or voltage that cause damage to the motor drive circuit.	Start and stop fault status. The computer will buzz 9 times and show the "E6" code on the screen. Go into the ready mode and re start the treadmill. Possible reason: The power or voltage is not enough or the controller is faulty. Make sure that all of the wires are connected correctly