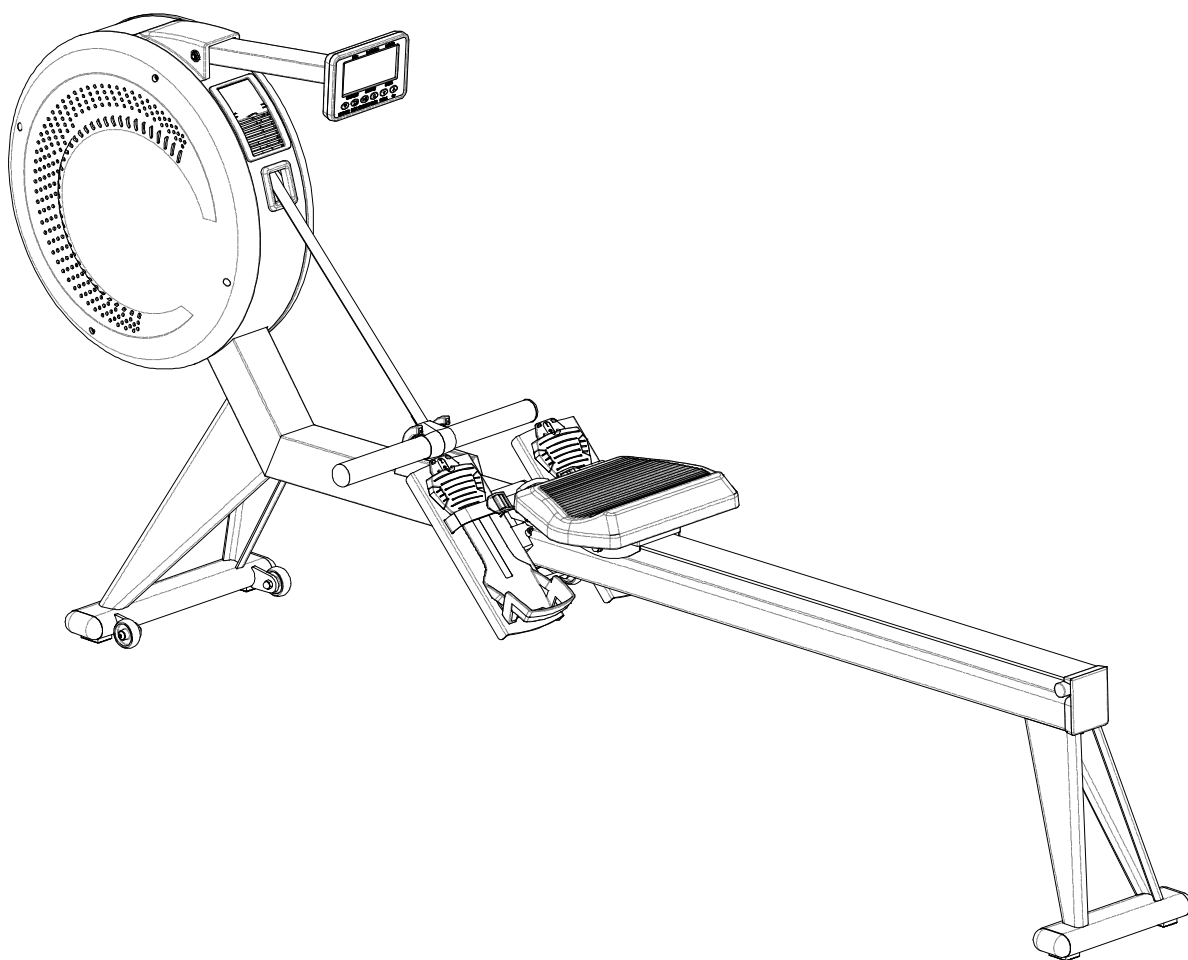


ARC-102 Air Rower



SAVE THE INSTRUCTION - THINK SAFETY!

Revision-1114

IMPORTANT

Read all assembly instructions and safety precautions; reference all safety guidelines and warning labels before using this product. Please save the instructions afterward for future reference as the instructions are written for your safety and to protect the unit.

SAFETY

Properly warm up and stretch before exercising. If you feel pain or dizziness at any time while exercising, stop immediately and consult your physician.

Obtaining Service

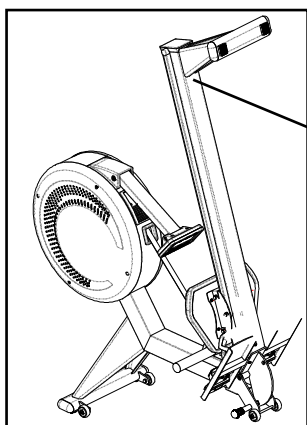
Before proceeding, find the Air Rower's model, serial number located on the Rear Stabilizer and enter it in the space provided below.

Model: _____

Serial Number: _____

Date of Purchased: _____ month / _____ date / _____ year

» Refer to the SERIAL NUMBER and MODEL NAME when calling for service.



Serial Number is located
on the back of the Rail

SAVE THE INSTRUCTION - THINK SAFETY!

Important Safety Instructions & Warnings



WARNING

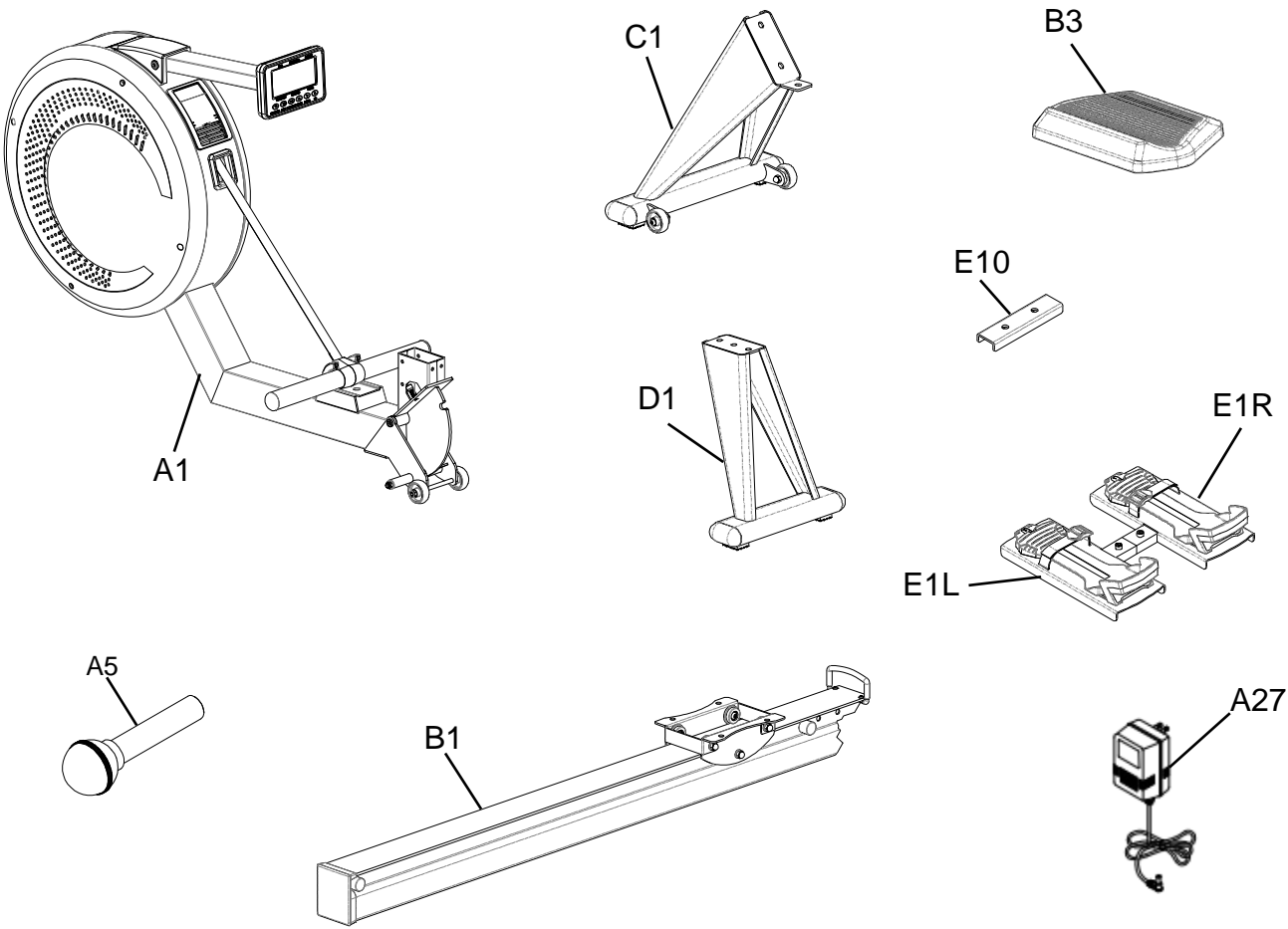
To reduce the risk of burns, fire of burns, fire, electric shock, or injury to persons, read the following precautions before assembling or using your new product.

- Read all instructions and enclosed literature carefully. Understand the assembly and operation before using the equipment.
- Always wear proper clothing and shoes when exercising to avoid getting caught in the moving parts.
- Always stretch and warm up before starting any exercise program.
- Keep hands and feet from all moving parts, which could result in serious injury.
- Close supervision is necessary when this Air Rower is used by or near children. Do not allow children or people unfamiliar with the operation of this equipment, on or near it.
- The Air Rower should never be left unattended when plugged in. Disconnect the Air Rower by unplugging the adaptor from outlet when the unit is not in use, and perform maintenance.
- Never operate this unit if it has a damaged cord or adaptor, if it is not working properly, Contact your authorized dealer for service.
- It is necessary to inspect this unit periodically to maintain safety and proper function.
- Keep the cord away from heated surfaces.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- Keep equipment away from water and moisture. Avoid dropping anything on or spilling anything inside the equipment to prevent electric shock or damage to the electronics. Do not operate electrically powered equipment in damp or wet locations.
- Make sure all components are fastened securely at all times.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not attempt to use the Air Rower for any purpose other than for the purpose it is intended.
- Route the Adaptor Cord so that it is not walked on, pinched, or damaged by the parts placed upon, including the equipment itself.

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Parts for Assembly



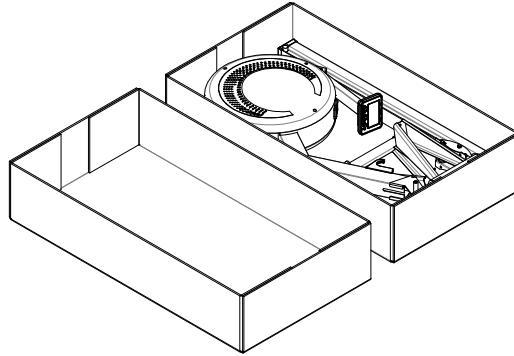
Tools Required:



Assembly Instructions

Step 1

- *Before assembling the Air Rower, distinguish a proper and appropriate location for the unit.
- *Clear a big enough working space before unpacking the box.
- *Separate all of the parts after opening the box and verify that all parts are accounted for and have no damage.
- *Double check the packing materials to ensure no parts were accidentally thrown away.



- *Assemble the machine on a solid level surface. This will ensure the best possible performance, function, and safety for the workout.

Caution: Additional assistance is needed to help turn main frame assembly.

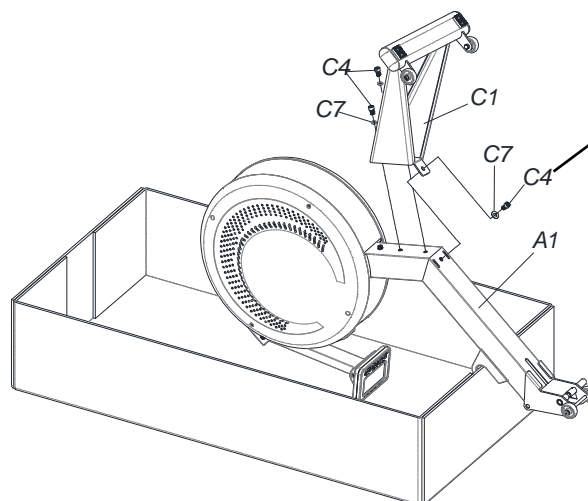
Step 2

With additional assistance carefully turn the Main Frame Assembly (A1) upside down, fitting in the styrofoam in the carton as shown below.

Important: Make sure the Main Frame Assembly is stabilized before the next assembly.

Remove the preassembled 2- M10x16mm Cap Head Socket Screws (C4) and 2- M10 Flat Washers (C7) from the the Main Frame Assembly (A1) with 8mm Allen wrench.

Assemble the Front Stabilizer (C1) to the Main Frame Assembly using the same 2 screws and flat washers to secure the front stabilizer.



Note:
This Screw needs to
be securely tightened first.

Assembly Instructions

Step 3

With additional assistance, carefully turn the Air Rower around to the upright position as shown below. Remove the preassembled 6- M8 x 16mm Cap Head Screws (B4) and 2- M8 x 25mm Cap Head Screws (E8) and 6- M8x16 Flat Washers (B12) from the Main Frame Assembly with the 6mm Allen Wrench. See Figure A.

Insert the Foot Bed Mounting Plate (E10) onto Left Foot Rest (E1L), then place the Left and Right Foot Rests (E1L & E1R) through the Main Frame Assembly and insert the Left Foot Rest into the Right Foot Rest, then use the same 2- M8x25mm Cap Head screws to secure the Foot Rests to the Main Frame Assembly. See Figure B

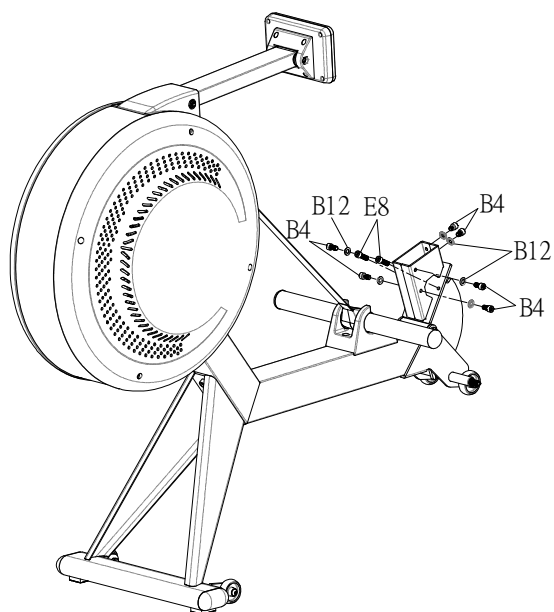


Figure A

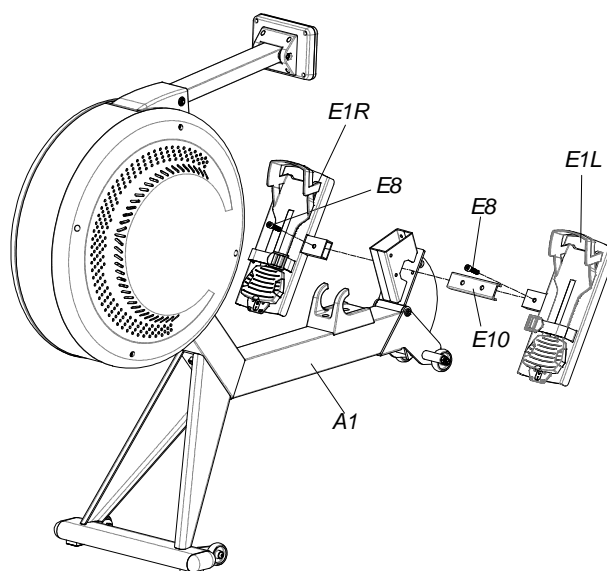


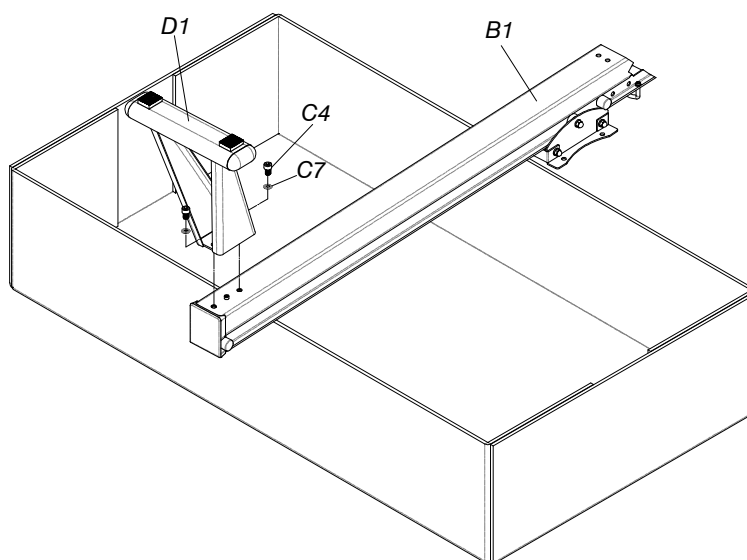
Figure B

Step 4

Place the Rail (B1) across the carton as shown below, make sure the Seat Carriage beyond the carton edge.

Remove 2- M10 x 16mm Cap Head Screws (C4) and 2- M10 Flat Washers (C7) from the Rail (B1) with 8mm Allen wrench.

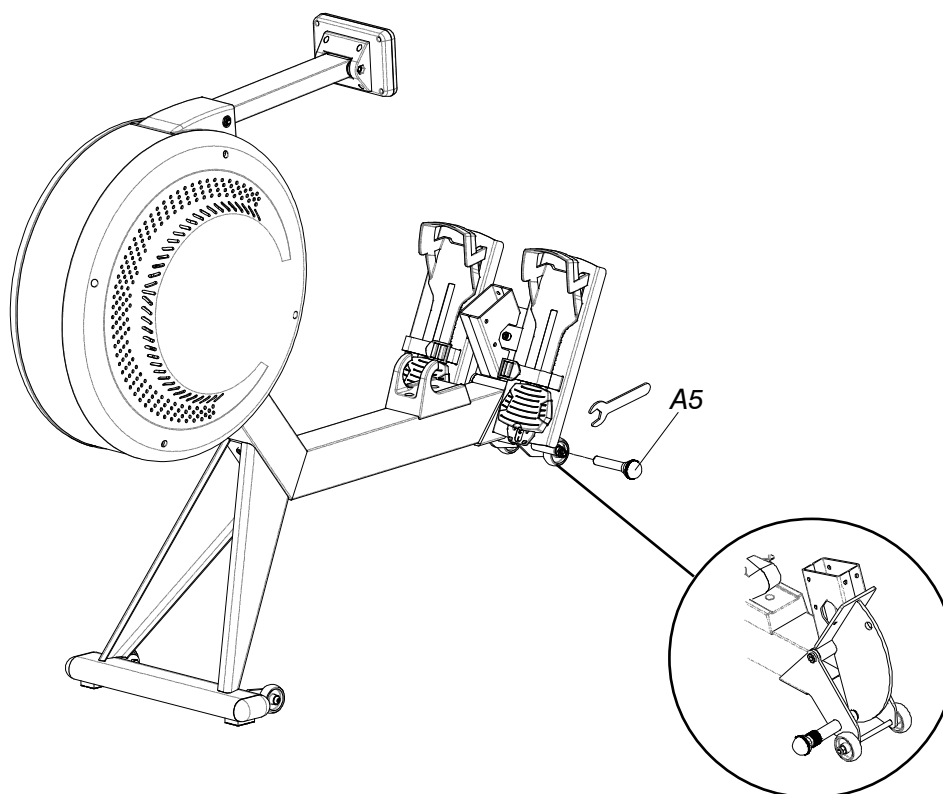
Attach the Rear Stabilizer (D1) to the Rail using the same 2 screws and flat washers to secure the Rear Stabilizer.



Assembly Instructions

Step 5

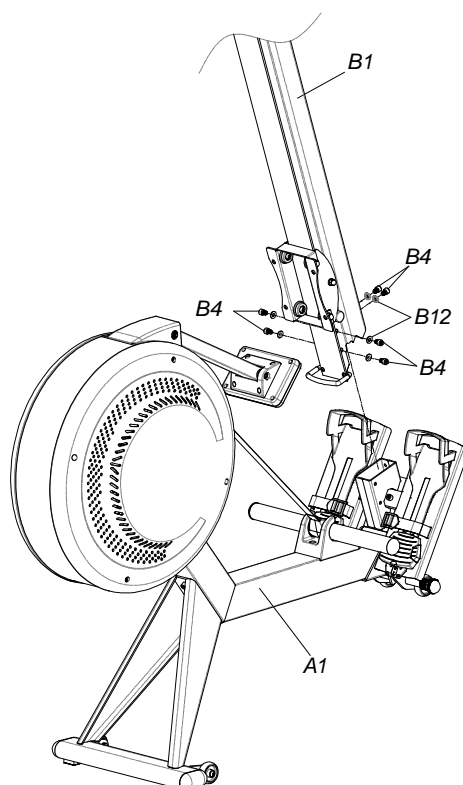
With the supplied M14 Wrench, tighten the Pull Pin (A5) into the Main Frame Assembly as shown below.



Step 6

Remove the preassembled 6- M8x16mm Cap Head Screws (B4) and 6- M8 Flat Washers (B12) from the Main Frame Assembly with 6mm Allen Wrench.

Gently slide the Rail (B1) into the Main Frame Assembly (A1), then use the same 6 screws and flat washers to secure the Rail to the Main Frame Assembly.

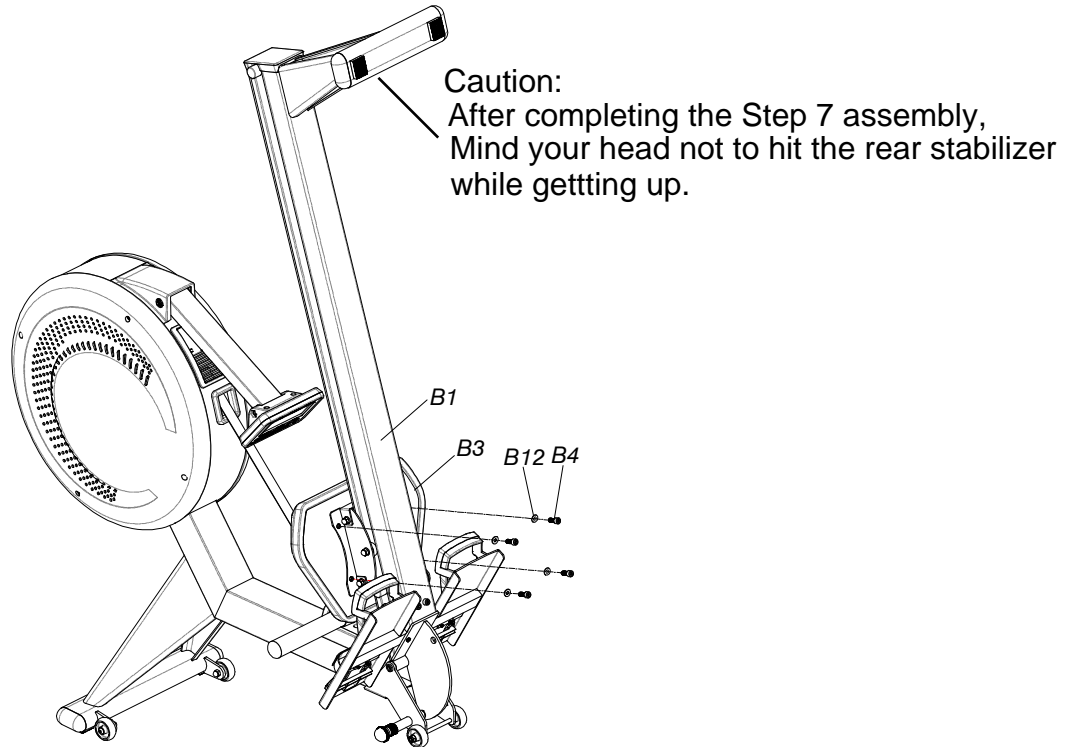


Assembly Instructions

Step 7

Remove the preassembled 4- M8x16mm Cap Head Screws (B4) and 4- M8 Flat Washers (B12) from the Seat Carriage with the 6mm Allen wrench.

Attach the Seat (B3) to the Seat Carriage as shown, make sure the pointed portion of the seat faces downward. Use the same 4 screws and flat washers to secure the Seat.



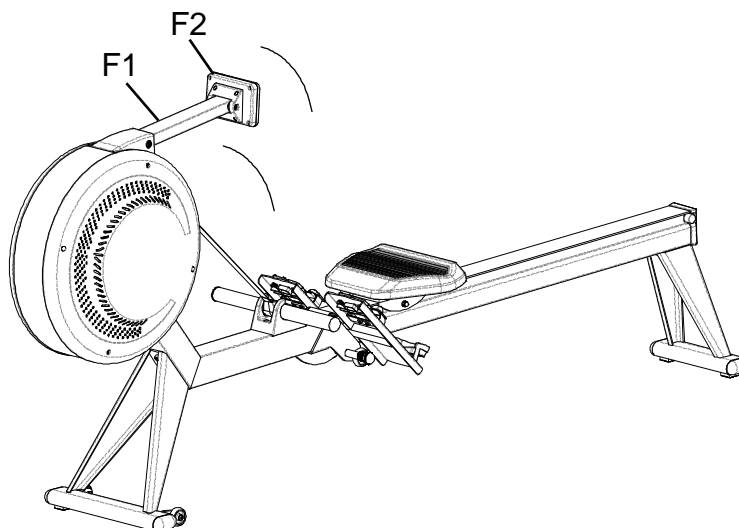
Step 8

As shown above,

One hand holds the Rail (B1) and the other hand pulls out the Pull Pin (A5), then release the pin, carefully put down the rail to the floor.

Lift up the rail handle until hear a "clicking" sound, make sure the pin is locked in the hole of Pivot Assembly.

The Computer Arm (F1) or the Computer (F2) can be adjusted to the desired position.



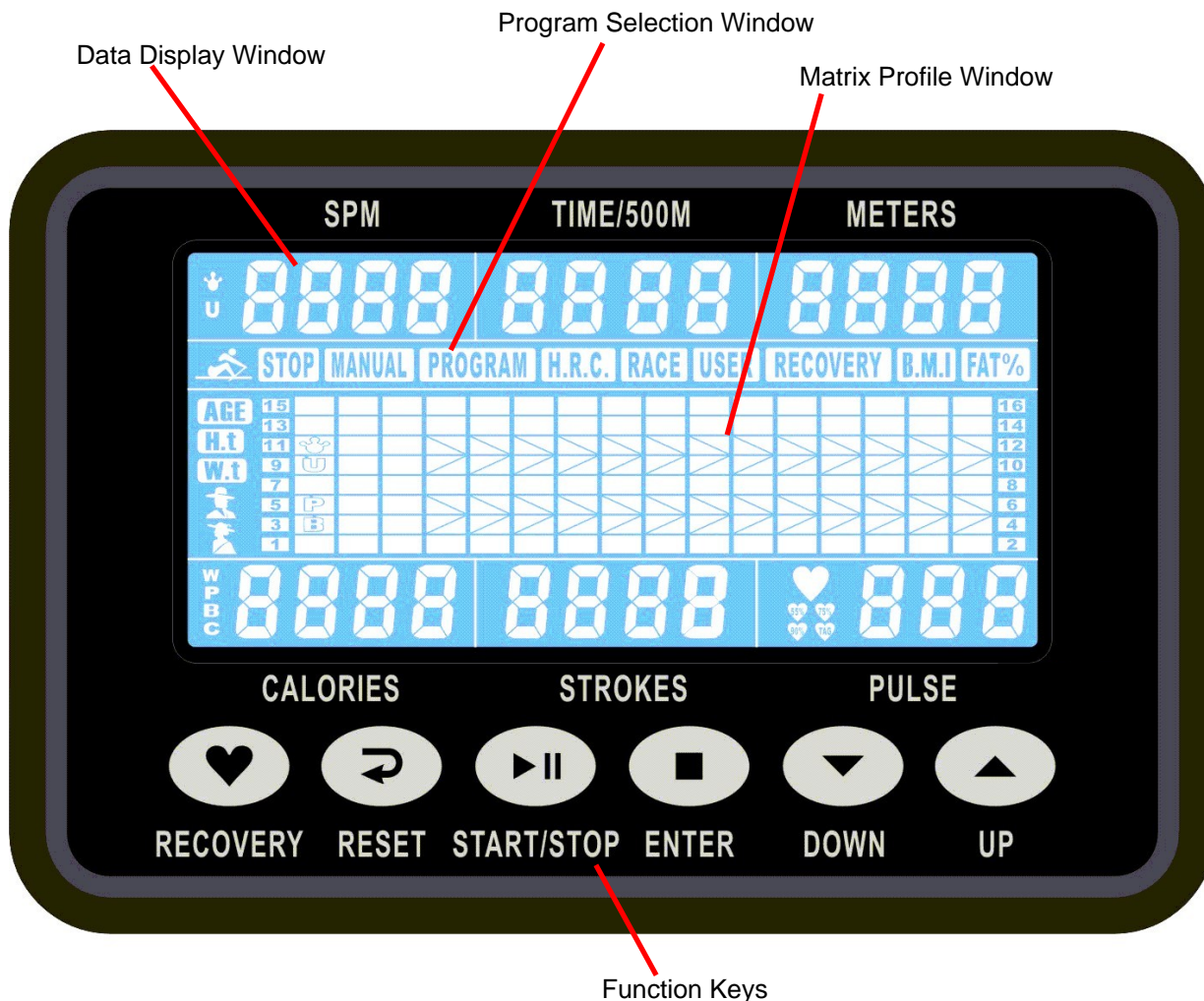
Assembly for the ARC-102 Air Rower is complete.

Console Operation Instructions

Please read the console operation instruction thoroughly and familiarize yourself with the console layout before choosing a workout.

Make sure the Rower is powered up before you start using the console.
This unit is powered by AC Adaptor.

Console Layout

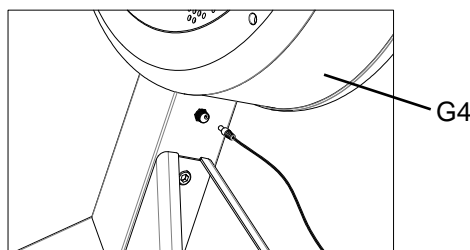
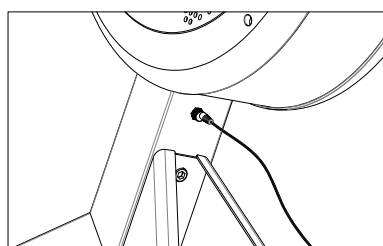


【OPERATION】

1. Power on

Insert the power adaptor jacket into the power socket under the Mesh (G4) of the main frame as shown below, then plug the power adaptor into the wall outlet.

Important: Use only the power adaptor accompanying with the machine. Never use an adaptor that is not certified for the unit, it will cause malfunction.



Console Operation Instructions

2. How to Adjust Time and Date

When the power is connected, the computer will turn on automatically, and starts segment tests with a beep, then it enters the Time and Date Adjustment as shown below.

Note: The "Time and Date" wording on the console only indicates where to adjust the Time and Date, it is not embedded in.



The sequential input is hour, minute, and then year, month and day.

2-1. Adjust the Time.

The Hour or Minute is blinking for inputting the current time.

Use Up or Down Key to adjust the current hour and minute, after each number is input then press enter for the next input.

2-2. Adjust the Date

The Year or Month or Day is blinking for inputting the current date.

Use Up or Down Key to adjust the current year, Month, and Day, after each number is input then press enter for the next input.

When the Time and Date are not adjusted in 30 seconds, it enters Sleep Mode.
Press any key to enter the program selections.

When the Adaptor or the Adaptor jacket is plugged off and re-plugged in,
the time and date need re-inputting.

3. Program Selection

After the Time and Date are adjusted, it enters the program selections: STOP/MANUAL/PROGRAM/H.R.C./RACE/USER blinking to be selected, Press UP or DOWN Key for function selection and ENTER for confirmation.

Console Operation Instructions

1. Keys: There are 6 function keys for program operation.

- UP or DOWN : To press these two buttons through available selection.
To adjust the function value upward and downward.
- ENTER : To confirm your selection or data entry.
During training, press the button to scan each display function.
- START / STOP : To start and stop your selected workout program.
- RESET : To reset the computer back to the main menu.
- RECOVERY : To activate the RECOVERY PROGRAM that will automatically evaluate your fitness immediately after your work out.

2. FUNCTIONS

- TIME : Preset target time by pressing UP and DOWN buttons (1min ~ 99 min), each increase/decrease setting is 1 minute.
- TIME/500M : Computer will display the time needed to row 500 meters according to current speed.
- DISTANCE : Preset target value by pressing UP and DOWN buttons (10meters ~ 9990meters), each increase / decrease setting is 100 meters.
- STROKES : Preset target value by pressing UP and DOWN buttons (0~9999 strokes). each increase / decrease setting is 10.
- TOTAL STROKES : Accumulates total strokes from 0 up to 9999.
- PULSE : To preset target value by pressing up/down/mode from 30 to 240, each increase/decrease setting is 1. The monitor will display user's heart rate during training. The pulse measurement function is only used by chest belt system; the frequency of chest belt accepted by the monitor is 5 KHz.
- RECOVERY : After exercising for a period of time, keep holding on handgrips and press "RECOVERY" button. All function display will stop except "TIME" starts counting down from 00:60 to 00:00. Screen will display your heart rate recovery status with the F1,F2....to F6. F1 is the best, F6 is the worst. User may keep exercising to improve the heart rate recovery status. (Press the RECOVERY button again to return the main display.)
- CALENDAR : The monitor will display year, month, and day when monitor is in sleep mode.
- TEMPERATURE : The monitor will display current room temperature from 0°C to 60°C when the monitor is in sleep mode.
- CLOCK : The monitor will display current clock when the monitor is in sleep mode.

3. PROGRAMS

3-1. MANUAL PROGRAM

- A. Enter into this function, "L1" will display on the matrix profile window for resistance setting, you can set the target resistance from L1 to L16 by pressing UP or DOWN and then ENTER button. After pressing the ENTER, you can set target value for TIME, DISTANCE, STROKES, CALORIES, PULSE. Each Data Display window will blink to input the data.

Note : As Time is set, the DISTANCE can't be set, if you set the target time you wish to exercise, each segment would contain the time length of target value divided by 16.

As DISTANCE has been set, the TIME can't be set, if you set the target distance you wish to exercise, each segment would contain the distance length of target value divided by 16.

If you didn't set the value of TIME or DISTANCE, each segment would contain the distance length of 100M.

- B. Press START button to start exercise, the STOP sign will disappear. All values start counting up or down. Press UP or DOWN button to adjust the resistance as you want and its figure will display on the matrix (level 1 ~ level 16).
- C. When the any target value of you set count down to zero or you have pressed the STOP button, the monitor will stop and display the average figure of TIME/500M.

3-2. PROGRAM

User can select 12 different program profiles by pressing UP or DOWN and then ENTER button. After selected, user can set the exercise level from L1 to L16 by pressing UP or DOWN and then ENTER button. Also can adjust the level during exercising.

CODE	PROGRAM	CODE	PROGRAM
P1	Peak	P7	Canyon
P2	Longitudinal Valley	P8	Hill valley
P3	Valley	P9	Hills
P4	Hill	P10	Mountain
P5	Hill cliff	P11	High land valley
P6	High land	P12	High land longitudinal valley

- A. Enter into this function, press UP/DOWN to select the target profile, and press ENTER for confirmation. Then "L1" will display on the monitor, you can press UP/DOWN/ENTER button to set target exercise level from L1 to L16. After level confirmed, you can set target value for TIME, DISTANCE, STROKES, CALORIES, PULSE. Each Data Display window will blink to input the data.

Note : As Time is set, the DISTANCE can't be set, if you set the target time you wish to exercise, each segment would contain the time length of target value divided by 16.

As DISTANCE has been set, the TIME can't be set, if you set the target distance you wish to exercise, each segment would contain the distance length of target value divided by 16.

If you didn't set the value of TIME or DISTANCE, each segment would contain the distance length of 100M.

- B. Press START button to start exercise, the STOP sign will disappear. All values start counting up or down. Press UP or DOWN button to adjust the resistance as you want and its figure will display on the matrix (level 1 ~ level 16). During exercising, the value of TIME and TIME/500M will be scanned in 6 seconds automatically.
- C. When the any target value of you set count down to zero or you have pressed the STOP button, the monitor will stop and display the average figure of TIME/500M and SPM.

Console Operation Instructions

3-3. H.R.C.

You can preset the target percentage for heart rate control in this function.

- A. Enter into this function, the monitor will blink "AGE 25", press UP or DOWN and then ENTER button to set your age. After confirmed, you can select the percentage of heart rate 55%, 75%, 90%, and TAG blinking in pulse display window. If the percentage of heart rate doesn't meet your demand, you can also set your desired heart rate value by pressing UP or DOWN and then ENTER button. after TAG selected.

After target heart rate confirmed, you can set target value for TIME, DISTANCE, STROKES, CALORIES, PULSE. Each Data Display window will blink to input the data.

Note : As Time is set, the DISTANCE can't be set, if you set the target time you wish to exercise, each segment would contain the time length of target value divided by 16. As DISTANCE has been set, the TIME can't be set, if you set the target distance you wish to exercise, each segment would contain the distance length of target value divided by 16. If you didn't set the value of TIME or DISTANCE, each segment would contain the distance length of 100M.

- B. Press START button to start exercise, the STOP sign will disappear. All values start counting up or down. During exercising, the value of TIME and TIME/500M, STROKES and TOTAL STROKES, CALORIES will be switched in each 6 seconds automatically. You may also press "ENTER" to show TIME, SPM, DISTANCE, STROKES, and CALORIES in each data display window.

- C. When the any target value of you set count down to zero (the computer will remind you with beep sound) or you have pressed the STOP button, the computer will stop and display your current heart rate.

Note : The computer will keep following your heart rate value and adjust the resistance automatically during exercising, when your heart rate is lower than target value, the resistance will be increased one level up (L1, L2, L3...) by computer in each 30 seconds automatically till L16.

When your heart rate reached target value, the resistance will be decreased one level down immediately, if your heart rate keep over target value, the resistance will be decreased one level down (L16, L15, L14,...) by computer automatically in each 15 seconds.

When your heart rate is over target value and resistance has downed to lowest (L1) or your heart rate keep lower than target value and resistance has reached highest (L16), the computer will remind you with beep sound.

When your heart rate keep higher than target value over 30 seconds at lowest resistance (L1), they computer will STOP automatically, it's protection system for heart rate control.

Console Operation Instructions

3-4. RACE

- A. Enter into the RACE, the TIME/500M displays 8:00. You can press UP or DOWN and then ENTER button to set difficulty level of L1 ~ L15 which you want to race with monitor immediately, then press ENTER to confirm. Then you can set the target race distance by pressing UP or DOWN and then ENTER button

The difficulty level of L1 ~ L15 figure of the TIME/500M is as follows:

L1 = 8:00 ; L2 = 7:30 ; L3 = 7:00 ; L4 = 6:30 ; L5 = 6:00

L6 = 5:30 ; L7 = 5:00 ; L8 = 4:30 ; L9 = 4:00 ; L10 = 3:30

L11 = 3:00 ; L12 = 2:30 ; L13 = 2:00 ; L14 = 1:30 ; L15 = 1:00

- B. Press START button to start race and STOP sign will disappear. The U & PB will display in the matrix. The monitor will STOP when one has reached the distance of race which has been set before, then the matrix displays "PC WIN" or "USER WIN" and may display figure for the status of the SPM value during all exercise after 6 seconds.
- C. When the race is over, you can press the START to have a race once again, press reset to leave the state of the race.

3-5. USER

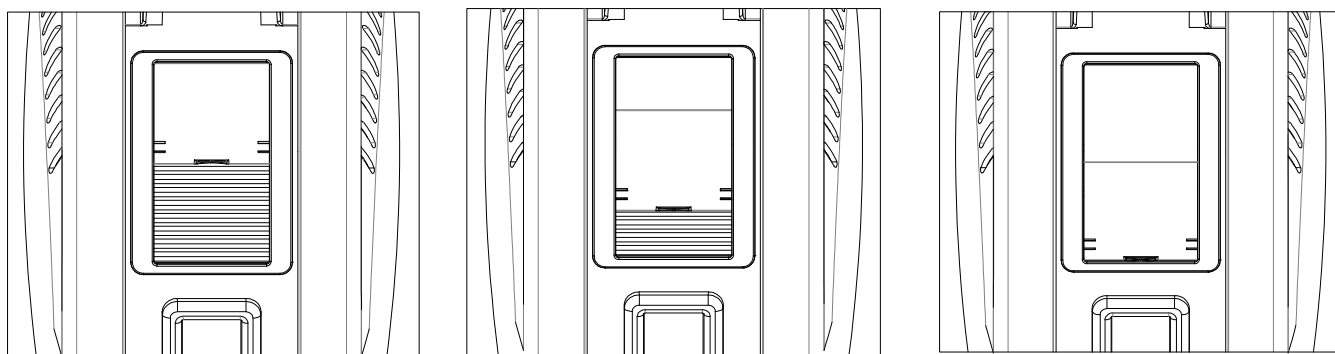
Enter into this function, you may set the desired program profile for training, press UP or DOWN and then ENTER button to set up exercising graph you wish.

- A. After confirmed user function, you can see the first column blink on the monitor, and press UP/DOWN/ ENTER to set the level from 1 to 16, the each grid increase/decrease is 2 levels. Hold the ENTER for 2 seconds to enter into initial (standby) mode, then you can set target value for TIME, DISTANCE, STROKES, CALORIES, PULSE for setting.
- B. Press START button to start exercise, the STOP sign will disappear. All values start counting up or down. You can press UP or DOWN button to adjust the resistance for each blinking program profile as your wish (all profiles will blink in sequence automatically). During exercising, the values of TIME TIME/500M, STROKES and TOTAL STROKES and CALORIES will be switched in each 6 seconds automatically. You may also press "ENTER" to show TIME, SPM, DISTANCE, STROKES, and CALORIES in each Data Display window.
- C. Press STOP Button to stop the exercise, the computer will stop and display your current heart rate on the matrix profile window and TIME and TIME/500M will blink in turn every 6 seconds.

User's Manual

Air Vent Adjustment

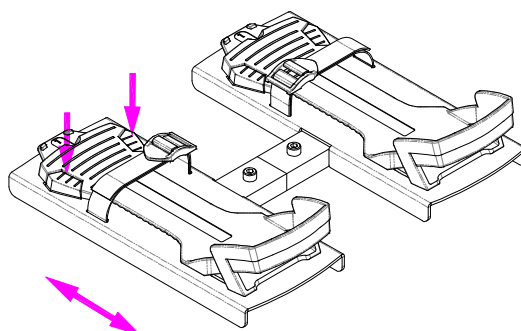
The Air Rower's flywheel fan generates an air flow that can be directed with sliding the flip upward to open the vent or shut it down, as shown below.



Heel Support Adjustment

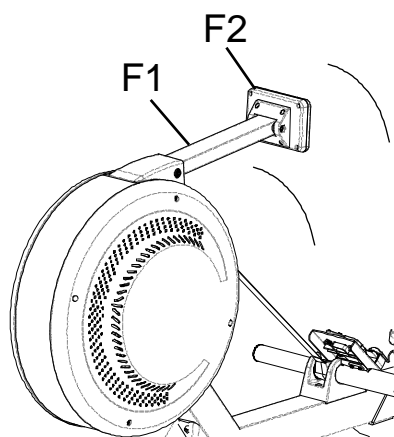
Press down 2 buttons in the foot rest tread with 2 fingers at the same time as shown below. and slide the heel support to the desired fitting position.

When the foot is properly positioned, pull on the strap to tighten foot securely to foot pedals.



Computer Angle Adjustment

The Computer and computer arm can be adjusted to accommodate to the users height and desired view.

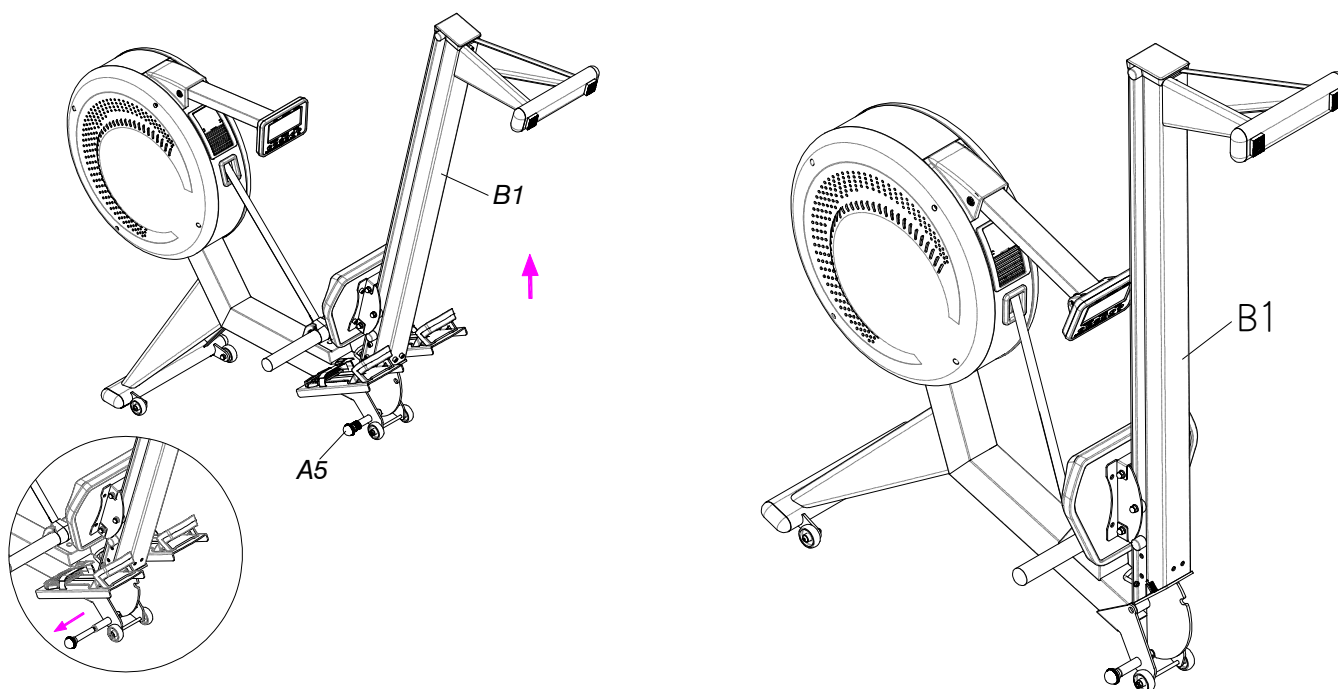


User's Manual

Important: For Safety, while Folding or Unfolding the Air Rower, make sure there are no other persons, children, pets around the machine.

Folding the Air Rower

Pull out the Pull Pin (A5) and carefully lift up the Rail (B1) to the upright position, until hear a "clicking" sound. Make sure the pull pin is locked before moving the Air Rower.



Transportation and Storage

Before transporting the Air Rower, make sure the Rail (B1) is in the folded position. Slowly move the Rower with both hands to the desired storage or new work-out location.

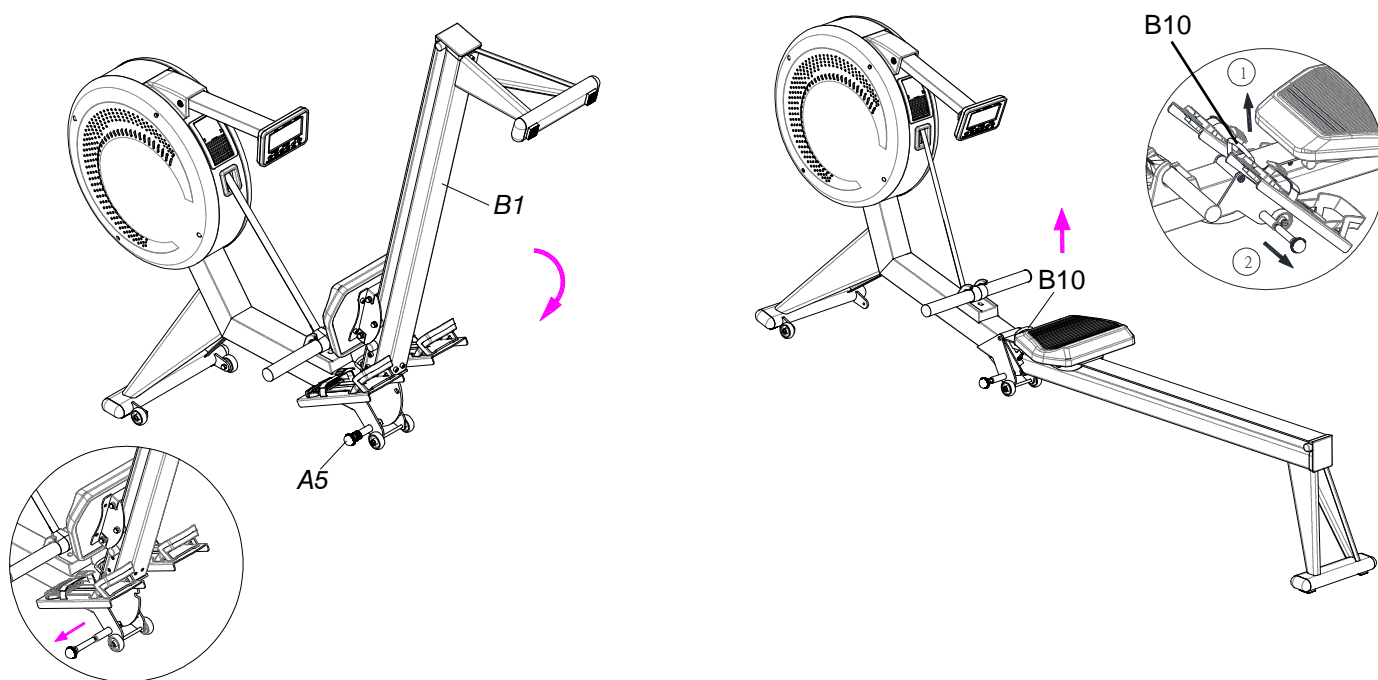
User's Manual

Important: For Safety, while Folding or Unfolding the Air Rower, make sure there are no other persons, children, pets around the machine.

Un-folding the Air Rower

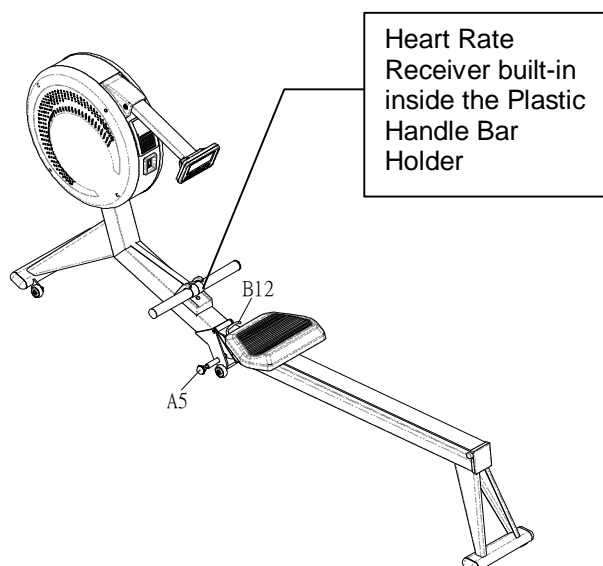
One Hand Holds the Rail (B1), and the other hand pulls out the Pull Pin (A5).
Release the Pull Pin, slowly and carefully place the Rail with both hands down to the floor.

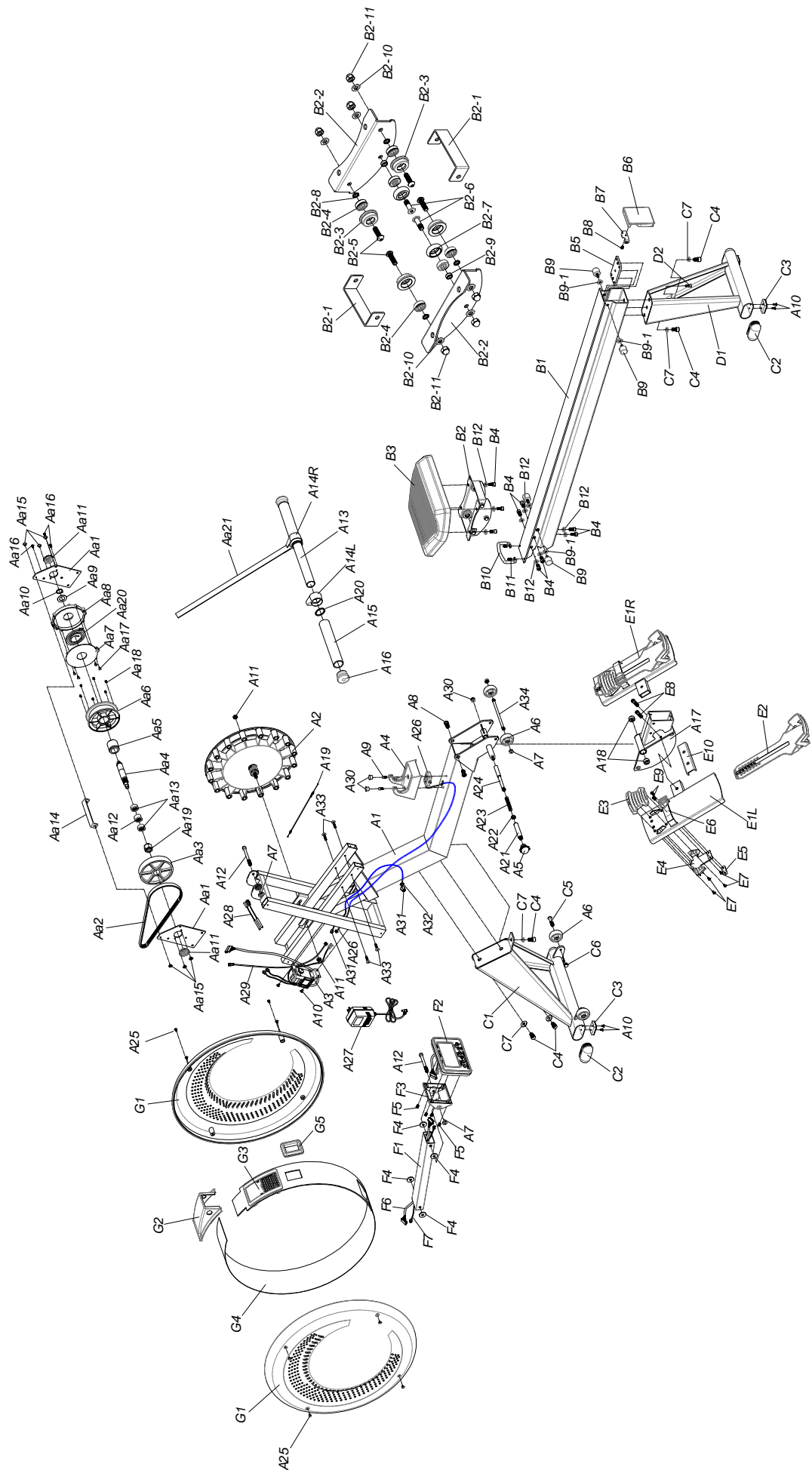
Grab and Lift up the Lift Handle (B10) located at the front Rail until hear a "clicking" sound.
Make sure the pull pin is locked before exercise.



Heart Rate Monitoring Device

The Air Rower is equipped with a built-in wireless receiver for the heart rate monitoring transmitter. Please contact the authorized dealer to purchase a compatible chest strap transmitter if you want to use wireless heart rate features.





PARTS LIST

NO.	Description	Q'TY	NO.	Description	Q'TY
A1	Main Frame Assembly	1	Aa5	Bearing Spacer	1
A2	Flywheel Fan Plastic	1	Aa6	Strap Drum	1
A3	Motor	1	Aa7	Spring Cover	1
A4	Handle Holder	1	Aa8	Spring Holder	1
A5	Pull Pin	1	Aa9	Steel Washer	1
A6	Wheel	4	Aa10	Grommet	1
A7	M8 Acorn Nut	4	Aa11	Ball Bearing6201	2
A8	Cap Head Socket Screw M10x16mm	2	Aa12	Single way Bearing	1
A9	Phillip Head Screw M5x10mm	2	Aa13	Needle Bearing	2
A10	Button Head Self Tapping 4x12mm	10	Aa14	Strap Drum Bracket	1
A11	3/8" Jam Nut	2	Aa15	Button Head Phillip Screw M5x6mm	6
A12	Cap Head Socket Screw M8x85mm	2	Aa16	Button Head Self Tapping 4 x 12mm	3
A13	Handle	1	Aa17	Button Head Self Tapping M3x10mm	4
A14L	Left Handle Collar	1	Aa18	Magnet	6
A14R	Right Handle Collar	1	Aa19	M16 Jam Nut	1
A15	Hand Grip	2	Aa20	Worm Spring	1
A16	1 1/4" End Cap	2	B1	Seat Rail	1
A17	Pivot Assembly	1	B2	Seat Carriage	1
A18	Pivot Sleeve	2	B2-1	Seat Carriage Roller Cover	2
A19	Motor Tension Cable	1	B2-2	Seat Carriage Cover	2
A20	Plastic Washer $\Phi 38 \times \Phi 32 \times 2T$	2	B2-3	Seat Carriage Wheel	4
A21	Pin Shaft 15 x 80mm	1	B2-4	Ball Bearing PR-608ZZ	6
Aa21	Strap	1	B2-5	Pan Head Socket Screw M8x25mm	4
A22	Jam Nut- 3/8 -16 x 14	1	B2-6	Flat Head Socket Screw M8x25mm	2
A23	Spring 10 x 65mm	1	B2-7	Seat Carriage Roller	2
A24	Pin 12.7x 135mm	1	B2-8	Spacer 8 x 12 x 2mm	4
A25	Button Head Self Tapping Screw 4x16mm	8	B2-9	Spacer 8 x 12 x 5mm	2
A26	Heart Rate Transmitter	1	B2-10	Flat Washer M8x $\Phi 16 \times 2.0T$	6
A27	Power Adaptor	1	B2-11	M8 Lower Acorn Nut	6
A28	Sensor Cable 250mm	2	B3	Seat	1
A29	Main Frame Cable	1	B4	Cap Head Socket Screw M8x16mm	10
A30	1/2 Plug black	3	B5	Rail Upper Plate	1
A31	Power Input Jack	1	B6	Rail End Cap	1
A32	Nut, Power Input Jack	1	B7	Rear Stopper	1
A33	Button Head Self Tapping Screw 1/4x1 1/4	4	B8	Button Head Self Tapping Screw 5x10mm	1
A34	Wheel, Axle	1	B9	Seat Carriage Stopper	4
Aa1	Strap Drum Plate	2	B9-1	Flat Washer M8 x 23 x 2t	4
Aa2	Drive Belt	1	B10	Rail Handle	1
Aa3	Drive Pulley	1	B11	Pan Head Socket Screw M5 x 10	2
Aa4	Clutch Shaft	1	B12	Flat Washer 16 x 8 x 1.5T	10

PARTS LIST

NO.	Description	Q'TY	NO.	Description	Q'TY
C1	Front Stabilizer	1	F1	Computer Arm	1
C2	Flat Oval End Cap 40x80	4	F2	Computer	1
C3	Foot Pad 40x32mm	4	F3	Computer Back Cover	1
C4	Cap Head Socket Screw M10x16mm	5	F4	Spacer $\Phi 8.3 \times \Phi 25 \times 3T$	4
C5	Pan Head Socket Screw M8x40mm	2	F5	Round Head Phillip Screw M5x10mm	4
C6	M8 Lower Acorn Nut	2	F6	Cable-1, 2P, 400mm	1
C7	M10 Flat Washer	5	F7	Cable -2, 3P, 400mm	1
D1	Rear Stabilizer	1	G1	Main Cover	2
D2	Cap Head Socket Screw M6x10mm	1	G2	Computer Arm Sleeve	1
E1L	Left Foot Rest	1	G3	Trim	1
E1R	Right Foot Rest	1	G4	Mesh	1
E2	Heel Support	2	G5	Strap Slot Trim	1
E3	Foot Rest Tread	2			
E4	Foot Rest Tread Support	2			
E5	Foot Snap	2			
E6	Foot Strap	2			
E7	Button Head Self Tapping M4x8mm	8			
E8	Cap Head Socket Screw M8x25mm	2			
E9	Flat Head Phillip Screw M5x15mm	4			
E10	Foot Bed Mounting Plate	1			