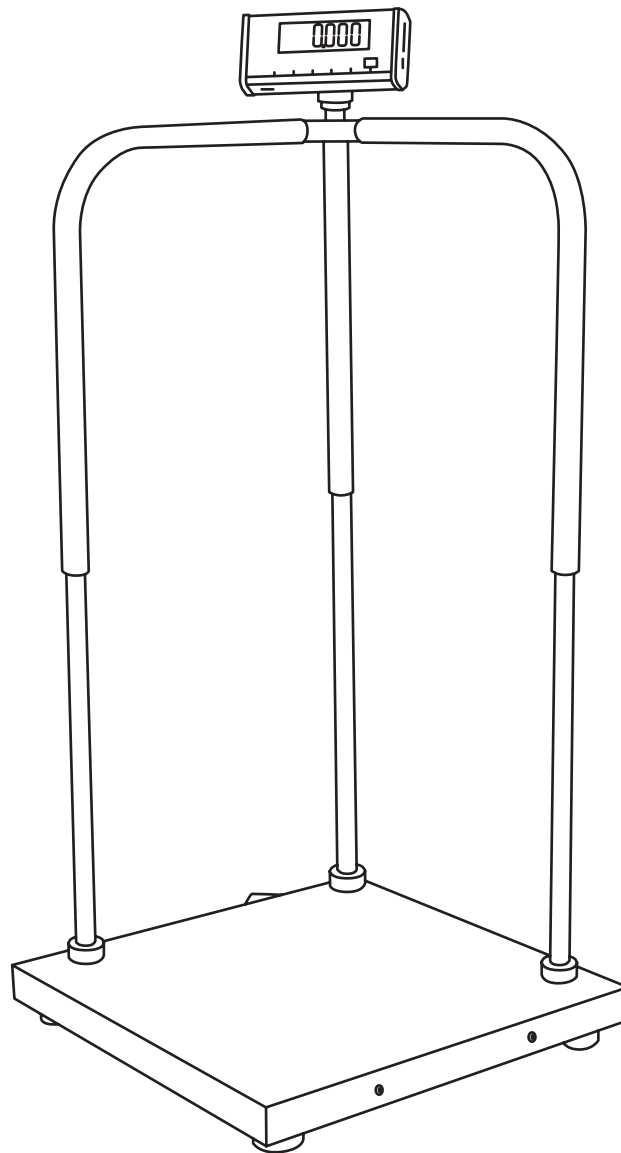


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# DIGITAL HANDRAIL SCALE

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## **USER GUIDE**

ADIME904-05



# Thank you for your purchase.



**Viva Comfort maintains a strong practice of ongoing development of products and commercial research.**



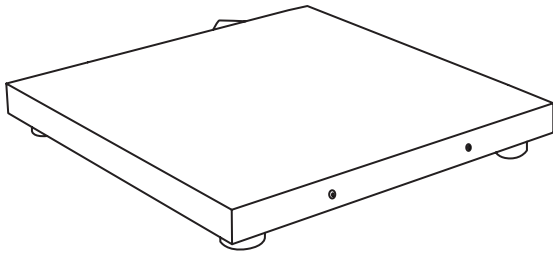
**We recognize that starting and maintaining a medical practice is expensive. We'll help make the process cost-effective and elegant. Additionally, our team of specialists will ensure everything you need works as efficiently as possible, so you can effectively treat your clients.**

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# Parts List

**A**



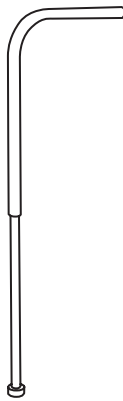
Base Platform

**B**



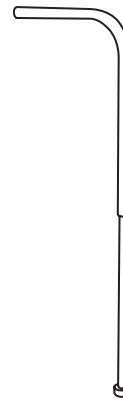
Middle Rod

**C**



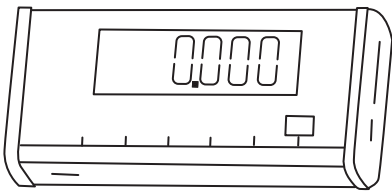
Left Handrail

**D**



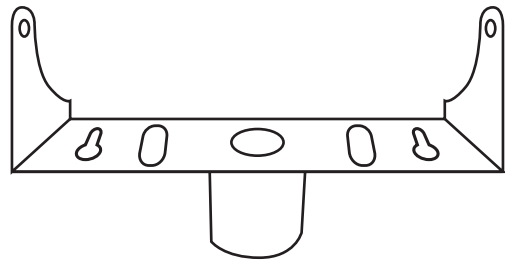
Right Handrail

**E**



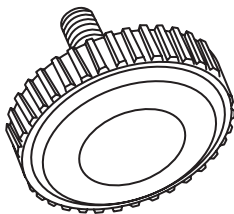
Interface

**F**



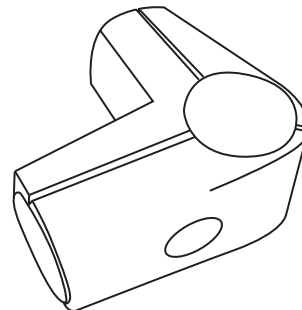
Interface T-Bracket

**G**



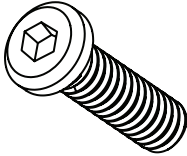
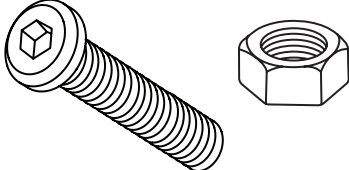
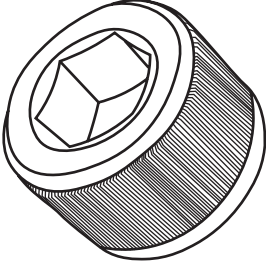
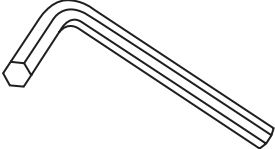
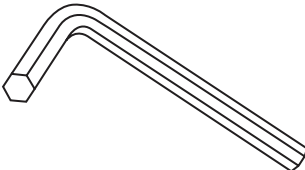
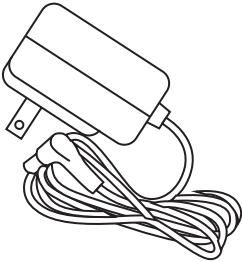
Feet (x 4)

**H**

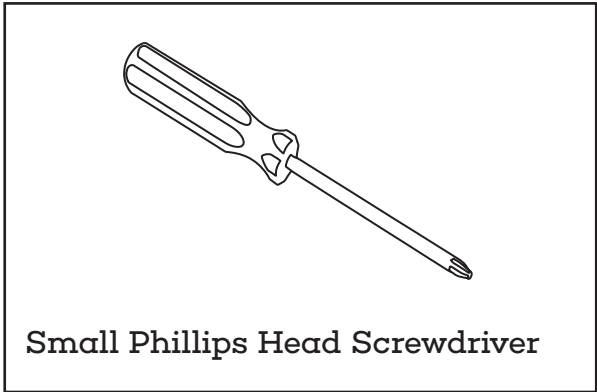


Round Pipe Connector  
(Comes In Three Pieces)

# Hardware List

<p><b>1</b></p>  <p>Hexagonal Screw (M6 * 25) (x 9)</p>	<p><b>2</b></p>  <p>M8 Hexagonal Screw with Nut (x 2)</p>
<p><b>3</b></p>  <p>M6 Nut (x 2)</p>	<p><b>4</b></p>  <p>5 mm Allen Wrench</p>
<p><b>5</b></p>  <p>6 mm Allen Wrench</p>	<p><b>6</b></p>  <p>DC Cable</p>

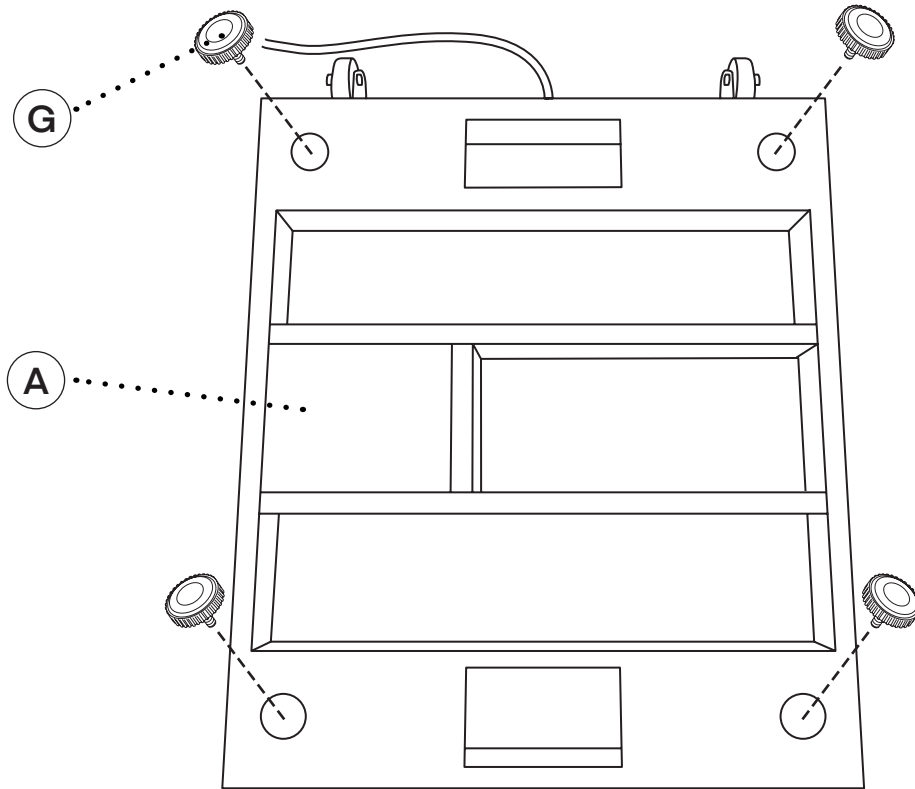
# Tools Needed (But Not Included)



# Assembly Instructions

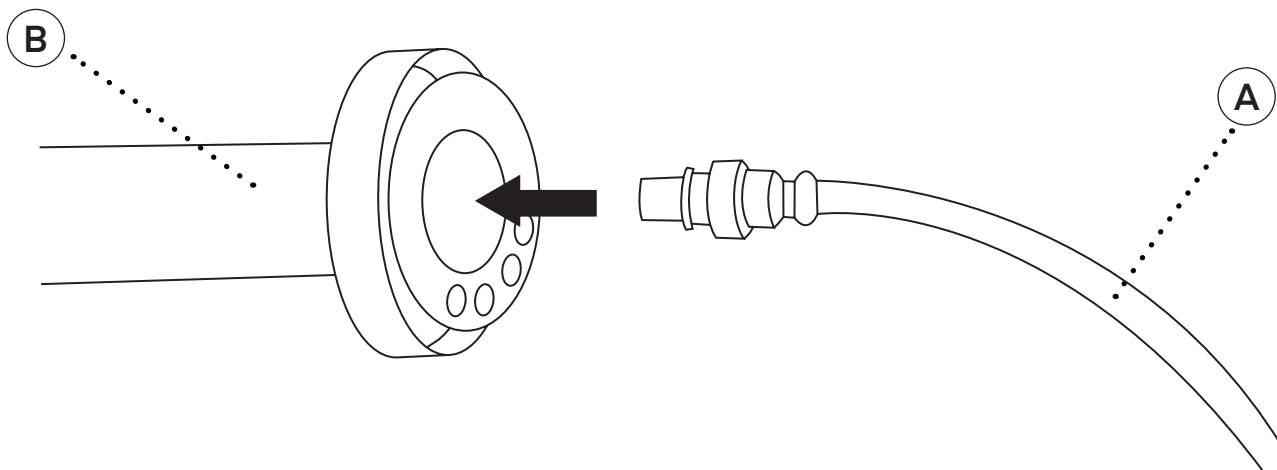
## Step 1:

- A. Locate the Base Platform (A) and flip it over.
- B. Take all four Feet (G) and insert them into all four holes in each corner, as pictured.



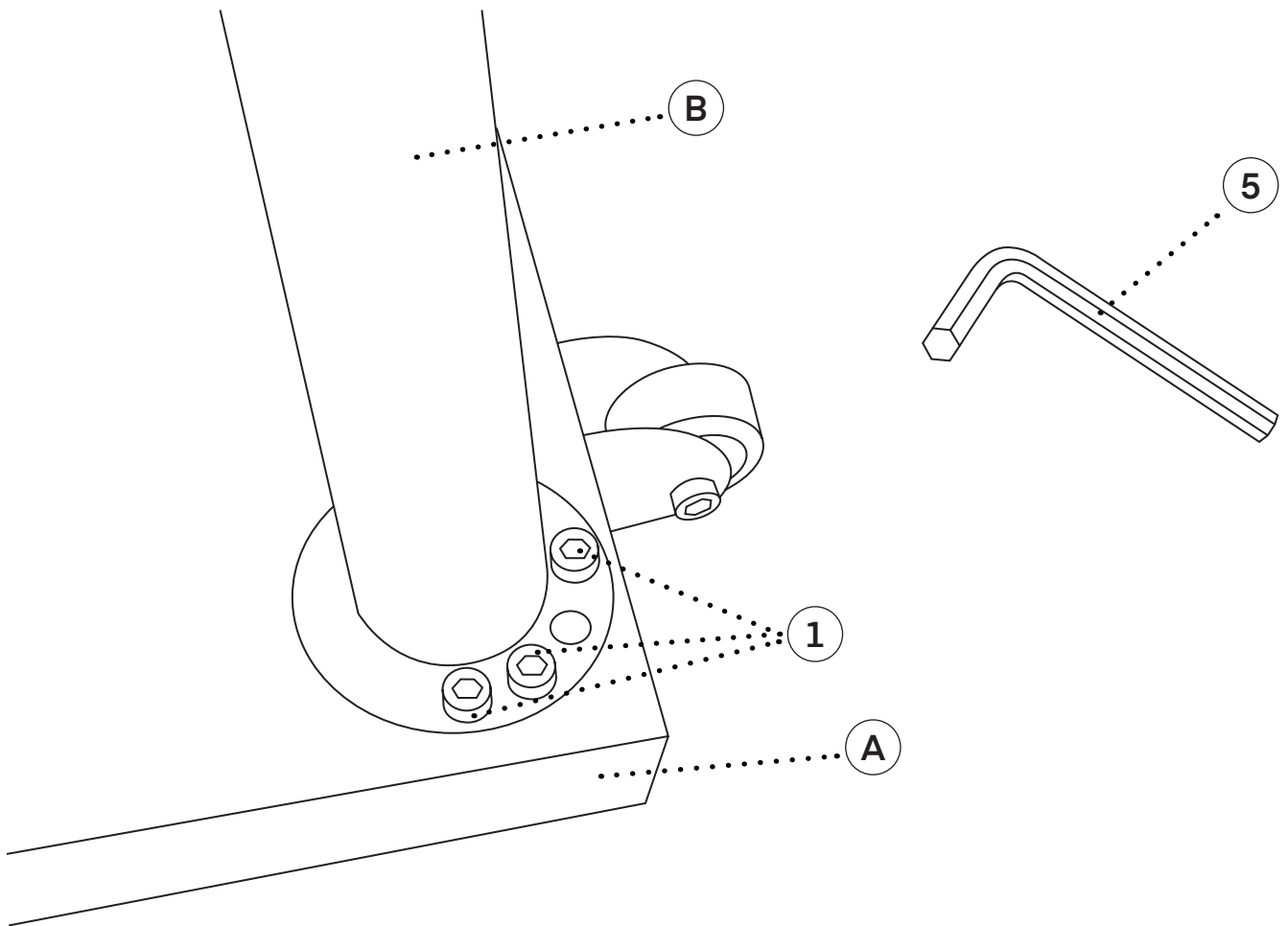
## Step 2:

- A. Next, locate the wire on the Base Platform (A) and thread it through the Middle Rod (B) until it comes out the opposite side, as pictured.



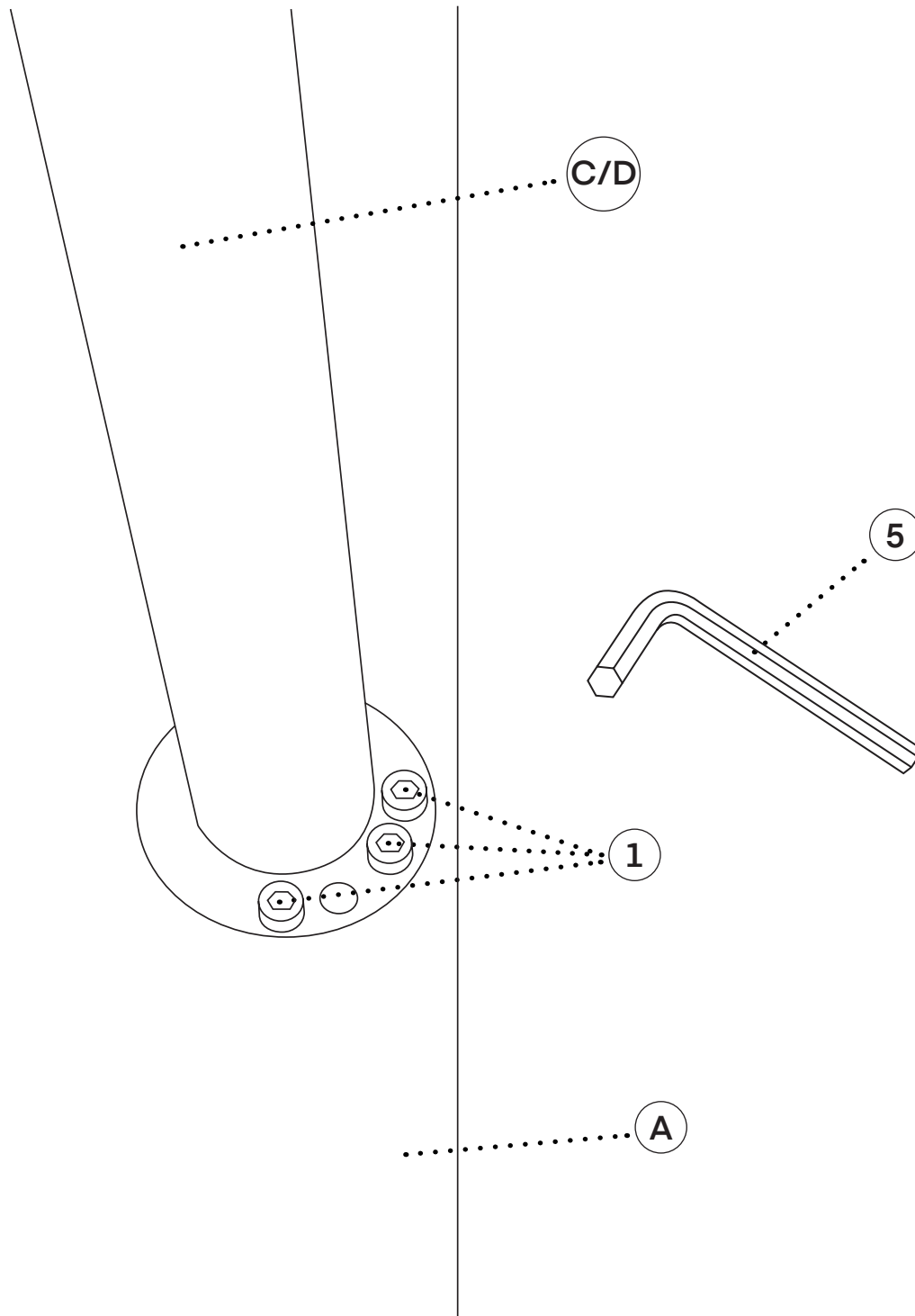
### Step 3:

- A. Locate three of the Hexagonal Screws (1).
- B. Line up the Middle Rod (B) with the three holes in the middle corner of the Base Platform (A).
- C. Insert the three of the Hexagonal Screws (1) into the base of the Middle Rod (B).
  - a. Secure them with the included 6 mm Allen Wrench (5).



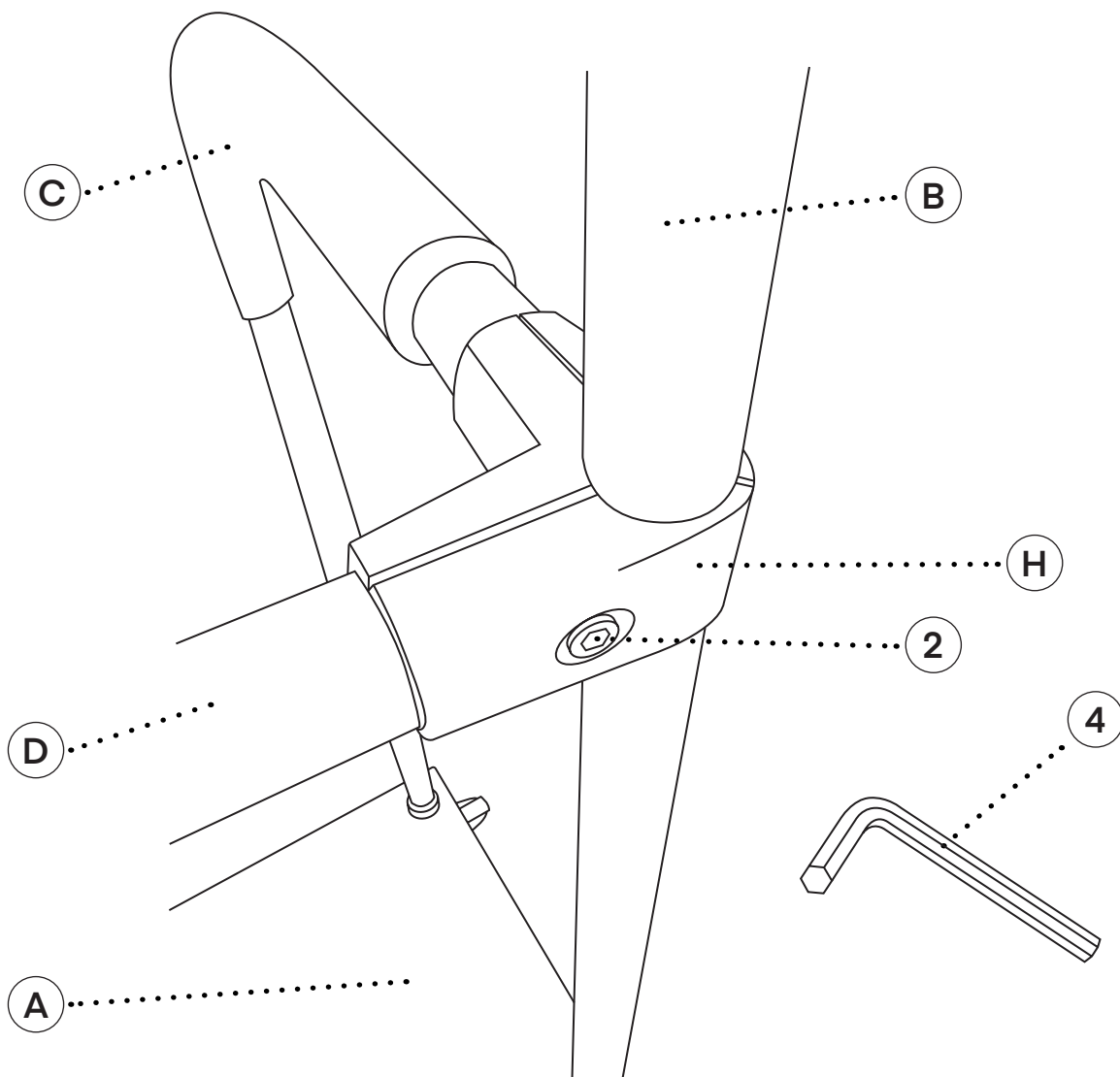
## Step 4:

- A. Locate the Left Handrail (C) and the Right Handrail (D).
- B. Locate six of the Hexagonal Screws (1).
- C. Line up the handrails to the holes on the scale's left and right sides.
- D. Insert the Hexagonal Screws (1) into the bases of the Left Handrail (C) and the Right Handrail (D).
  - a. Secure them in place with the included 6 mm Allen Wrench (5).



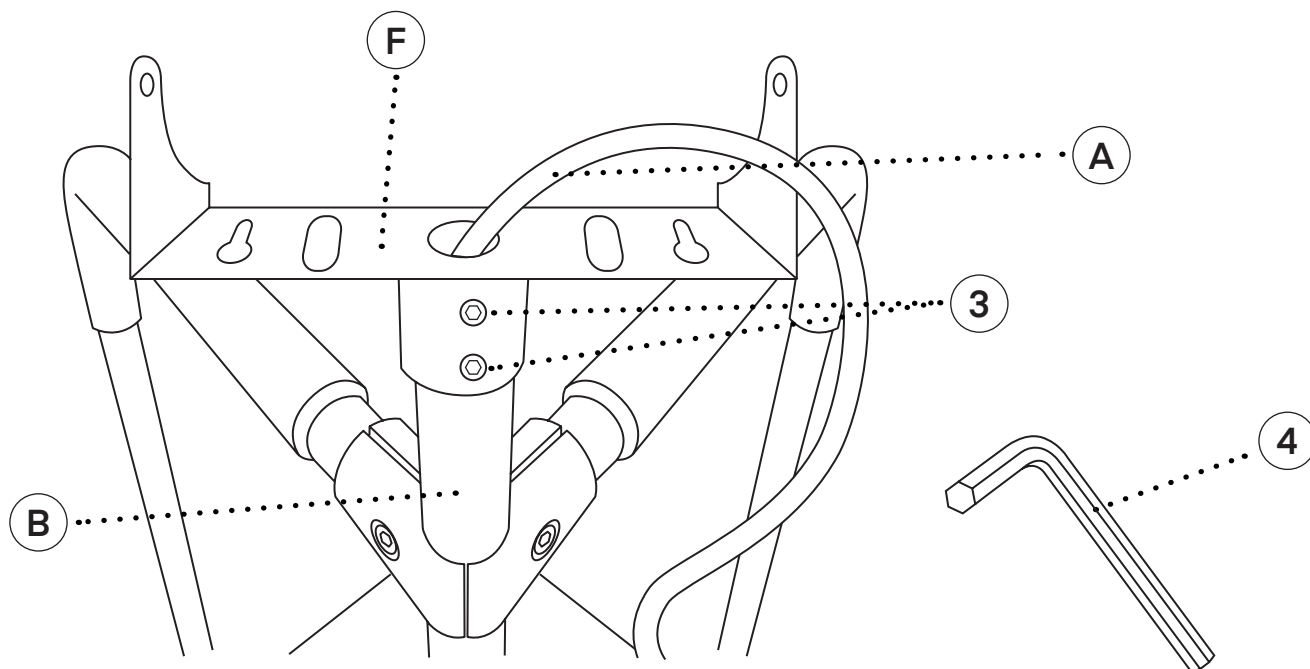
## Step 5:

- A.** Locate both Round Pipe Connectors (H) and both M8 Hexagonal Screw with Nuts (2).
- B.** The left side of the connector should go on the outside of the Left Handrail (C) and Middle Rod (B).
- C.** The right side of the connector should go on the outside of the Right Handrail (D) and Middle Rod (B).
- D.** The solid V-shaped portion of the connector should go on the inside of the Middle Rod (B), as pictured.
  - a.** You may want assistance securing the connectors together to apply enough tension.
- E.** Thread the M8 Hexagonal Screws (2) through both holes.
  - a.** Make sure they are facing inward.
- F.** Affix the accompanying nuts to the screws and use the 5 mm Allen Wrench (4) to secure the screws in place and apply enough tension so the connectors are flush with one another and the handrails are secured in place.



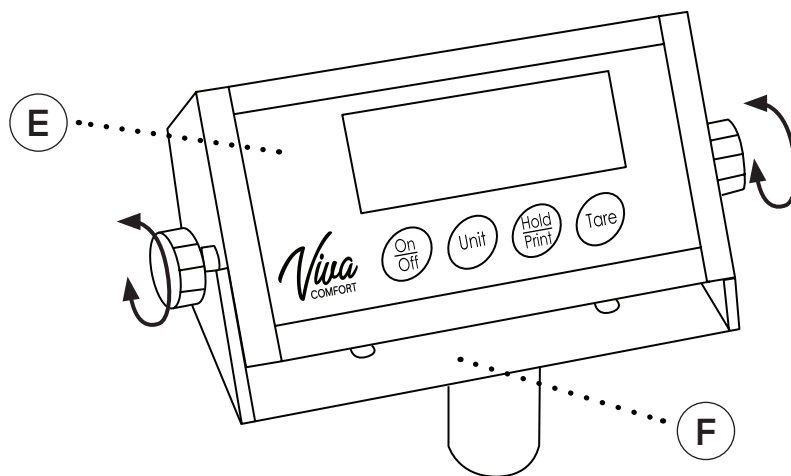
## Step 6:

- A. Locate and slide the Interface T-Bracket (F) over the Middle Rod (B), making sure the cable is inserted through the bracket's hole.
- B. Using a small Philips head screwdriver, secure the screws that are preinstalled in the Interface T-Bracket (F) to the Middle Rod (B).
- C. Secure two M6 Nuts (3) into the two holes located on the Middle Rod (B) utilizing a 6 mm Allen Wrench (5).



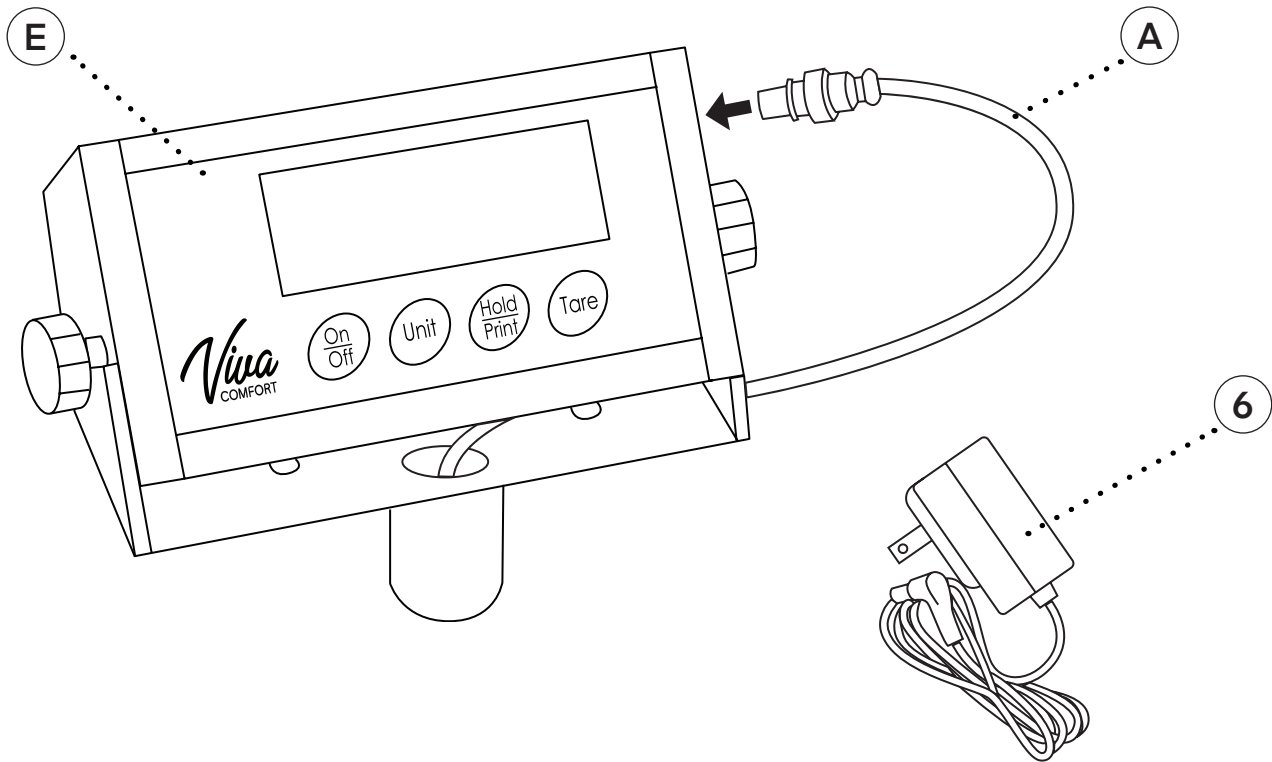
## Step 7:

- A. Locate the Interface (E) and remove the two black screws located on each side.
- B. Install the Interface (E) in between the Interface T-Bracket (F) and secure it in place by rethreading the black screws on both sides.



## Step 8:

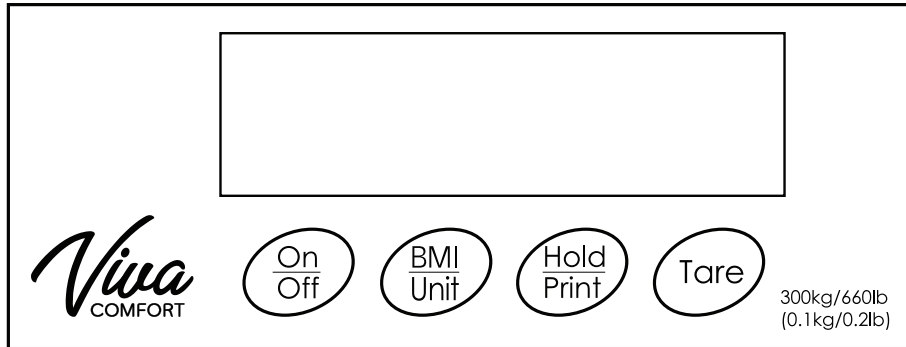
- A. Hook the cable to the Interface (E) via the output port.
- B. Plug the DC Cable (6) into the Interface (E) and then into an outlet.



## Step 9:

- A. Your Interface (E) is now ready to program and use.

# Button Functions



Name	Function	Menu Function	Serial Port Instruction Code
<b>ON/OFF</b>	Turn on/off	Null	O
<b>BMI/UNIT</b>	Measures body fat/ Switches unit	Scroll down the menu or parameters	U
<b>HOLD/ PRINT</b>	Hold Function/ Output Printing	Scroll up the menu or parameters	H
<b>TARE</b>	Tare	Enter the menu or confirm to change parameter.	T

# Operational Method

## Turn On:

**Use the power adapter:** Insert the plug of AC Adapter into the supply hub which is on the left of the display indicator, and insert the AC Adapter into AC socket.

**Use battery:** Open the battery cover which is on the right of the display indicator, load 4 x AAA alkaline cells into the cell box (please note the polarity), and then close the battery cover.

In the case of nothing on the platform, please press "ON/OFF" button once to let it show all the characters, and then it will show the version number of. After the screen displays "0", you can begin to weigh the object.

## Turn Off:

**A.** Under the condition of power-on, please press "ON/OFF" button to turn off the scale.

## Weighing:

**A.** To begin weighing, ensure your scale is on.

**B.** Press the "Tare" button once to make the indicator display a "0".

**C.** Put the object in the middle of the scale platform.

**a.** After the kg., lb., or pcs. character stops flashing, which means the data is stable, you can begin to read the weight.

# Operational Method

## Calibration - Single Point:

- A.** To calibrate, press and hold the "UNIT" button until the window displays "-----."
- B.** Press the "UNIT" or "HOLD" button to switch functions and make the window display "CAL."
- C.** Press the "TARE" button to ensure you enter calibration mode.
- D.** Once you've entered calibration mode, the window will display "Load" and "0.0 kg" alternately.
  - a.** This means that the weight "0.0 kg" should be loaded on the platform.
- E.** After making sure that there is nothing on the platform, press the "T" button to confirm.
  - a.** This way, the scale begins at a "0.0 kg" calibration.
  - b.** In the process of "0.0 kg" calibration, the "0.0 kg" will flicker rapidly on the display window.
    - i.** Do not touch, nudge, or press anything to the scales platform at this point.
  - c.** If the scale remains stable for over 2 seconds, the scale will finish the "0.0 kg" calibration automatically and continue with the next calibration.
  - d.** If the "0.0 kg" continues to flicker, it is waiting until there is a stable weight.
- F.** Suppose that the next calibration point should be "xx.x kg" the window will display "LOAD" and "xx.x kg" alternately, which means that the weight "xx.x kg" should be loaded onto the platform.
- G.** If you have to change this weight, you can short-press the "UNIT" button or the "HOLD" button to enter the modified menu.
  - a.** Press the "UNIT" button to change the flashing position and then press the "HOLD" button to make the flashing position's number plus 1.
  - b.** Press the "TARE" button to make sure the modification is finished.
- H.** After making sure the weight on the platform is "xx.x kg", press the "TARE" button to confirm so that the scale begins the "xx.x kg" calibration.
- I.** While calibrating, the "xx.x kg" will flicker rapidly on the display window.
  - a.** Do not touch, nudge, or press anything to the scales platform at this point.
  - b.** If the scale remains stable for over 2 seconds, the scale will finish the "0.0 kg" calibration automatically and continue with the next calibration.
  - c.** If the "0.0 kg" continues to flicker, it is waiting until there is a stable weight.

## Calibration - Standard Two Point:

- A.** Under the condition of weighing, long-press "UNIT" button till the window displays "-----".
- B.** Short-press "UNIT" or "HOLD" button to switch and make the window displays "Line".
- C.** Short-press "TARE" button to make sure it begins to calibrate.
- D.** After the scale begins to calibrate, the window will display "Load" and "0.0kg" alternately.
- E.** After you confirm that there is nothing on the platform, short-press "TARE" button, and begin the "0.0kg" calibration when the window displays "0.0kg".
  - a.** In the process of "0.0kg" calibration, "0.0kg" flickers rapidly on the display window.
  - b.** Please keep the platform calm, stable, or without other interference factors which will influence the weighing performance.
  - c.** If the weighing keeps stable exceeding 2s, the scale will finish "0.0kg" calibration automatically, and then it will begin the next calibration point.
    - i.** Otherwise, "0.0kg" will keep flickering to wait for the stable weighing.
- F.** Repeat the step d) and step e) above, calibrate the half capacity range point and the full capacity range point orderly, save the calibrated parameters automatically and return to the weighing mode.

## Changing The Unit:

- A.** Press the "UNIT" button to switch the weighing units between kg., lb., pcs.

## Hold Function:

- A.** When the "HOLD" button is pressed the following occurs:
  - a.** The CPU will send weight data into the USB or RS232 socket.
  - b.** The weight will remain on the display for 120 seconds after the item has been removed from the scale so that the weight can be easily read.
- B.** Place an item on the scale platform.
  - a.** Wait for the stable weights to be displayed.
  - b.** Press the "HOLD" button and "▶" will display.
  - c.** Remove the object from the platform; the weight reading will remain on the display for 120 seconds.
  - d.** To exit the hold, once the item is weighted and the hold function has been enabled, press the "HOLD" button again.
    - i.** This will cancel the " " hold indicator and return the scale to the weight value.



# Operational Method

## MotionLock Weighing:

- A. When the machine is working, press and hold "TARE" key until it displays "OFF" or "ON"; it means open or close the function of MotionLock weighing. When the action symbol, which is above the unit symbol, flashes, it means the current model is the MotionLock model. In that case, once the weighing is locked, it will automatically remain locked weight for about 10 seconds.

## Output Printing Function:

- A. Press and hold "HOLD" key for 2 seconds, the buzzer will work, and weight data will be output to the computer or the serial printer.

## Set User Parameter:

- A. When the machine is off, press and hold the "UNIT" button together with the "ON/OFF" button to turn the scale on.
  - a. DO NOT release the "UNIT" button until the screen displays "-----".
- B. Press the "UNIT" or "HOLD" button to switch to the menu.
- C. Press the "TARE" button to enter the display menu.
- D. After entering the display menu, short-press the "UNIT" or "HOLD" button to select the parameters.
- E. Press the "TARE" button to confirm the parameter and return to the menu.
- F. After all the parameters have been set, switch the menu into "END", and press the "TARE" button to finish the setting and save the parameters.
  - a. Return to the weighing or counting mode.

## BMI Operation:

- A. In standard mode, have a person stand on the scale.
- B. After the indicator is stable, press the BMI/Unit key to change to cm unit.
- C. Press the BMI/Unit key and Hold/Print key to change the height of the person.
  - a. Long press the BMI/Unit key and Hold/Print key quickly to change the height of the person.
- D. Press the TARE key to confirm the input of the height.
- E. The indicator will calculate the BMI automatically.
- F. Press the BMI/Unit key to exit BMI mode.

# User Parameter

Menu	Meaning of Menu	Selectable Parameter	Meaning of Parameter
<b>codE</b>	Check the internal code	Null	Check the internal code for debugging by manufacturer.
<b>ASt</b>	Zero tracking range	0.5/1/2/3d	Set automatic zero tracking range.
<b>out</b>	Printout method	kEy/Auto/Conti	kEy: Printout while pressing the key, Auto: Printout Automatically, Conti: Printout Continuously
<b>LEd</b>	Backlight control method	OFF/Auto/ON	OFF: Back light is turned off, Auto: Back light is automatic, On: Back light is turned on.
<b>OFF</b>	Automatic shutdown control	no/3/5/10/15/30/60 min	No: No automatic shutdown. 3~60min: If there is not any action of weighing objects or pressing buttons, the instrument will automatically turn off.
<b>-LL-</b>	Set Lower limit alarm	xxxx (lower limit value)	If the lower limit value is set to "0", the lower limit alarm function is canceled.
<b>-HH-</b>	Set upper limit alarm	xxxx (upper limit value)	If the upper limit value is set to "0", the upper limit alarm function is canceled.
<b>-End-</b>	Finish measuring and save the parameters	Null	

# Meaning of Cue Code

Display Code	Meaning of Code	Solution
no	<ol style="list-style-type: none"> <li>1. The calibration weight value is not loaded according to the display when calibrating.</li> <li>2. The quantity of objects is not loaded according to the quantity of sampling.</li> </ol>	<ol style="list-style-type: none"> <li>1. Load the weight value according to the show value.</li> <li>2. Load the quantity according to the show value.</li> </ol>
AC	The batteries are low/dead.	<ol style="list-style-type: none"> <li>1. Use new batteries.</li> <li>2. Use power adapter.</li> </ol>
Err-O	<ol style="list-style-type: none"> <li>1. Lost the calibration data.</li> <li>2. The load cell or main board maybe damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Re-calibrate.</li> <li>2. Change the load cell or main board.</li> </ol>
Err-1	<ol style="list-style-type: none"> <li>1. The weight is over the max capacity.</li> <li>2. Lost the calibration data.</li> <li>3. The load cell or main board might be damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove the objects on the platform.</li> <li>2. Re-calibrate.</li> <li>3. Change the load cell or main board.</li> </ol>
--L--	Lower Limit Alarm	<ol style="list-style-type: none"> <li>1. Cancel Lower Limit Alarm</li> </ol>
--H--	Upper Limit Alarm	<ol style="list-style-type: none"> <li>1. Cancel Upper Limit Alarm</li> </ol>

## Maintenance of Scale

- A.** In order to keep the scale in normal operation, the crust of the indicator and the platform should be kept clean and prevented from corrosion by foreign substance.
- B.** If necessary, you should use a piece of cloth with a mild washing agent to clean them.
- C.** When the scale isn't in use, pull out the A/C plug.
- D.** When the scale isn't in use for a long time, remove the batteries.

# Malfunction

Phenomenon	Reason	Solution
No display	The power plug is not inserted in right place. The batteries are expired.	Insert the plug in right place. Use the new batteries.
Low-voltage indication	The power of batteries is low.	Use the new batteries.
Error in weighing data-reading	The scale didn't go back to zero before using. The scale is not calibrated.	Do not put objects on the platform, press "TARE" button, and then begin to weigh objects.
False calibration	The calibration weight is not precise.	Use the precise calibration weight.

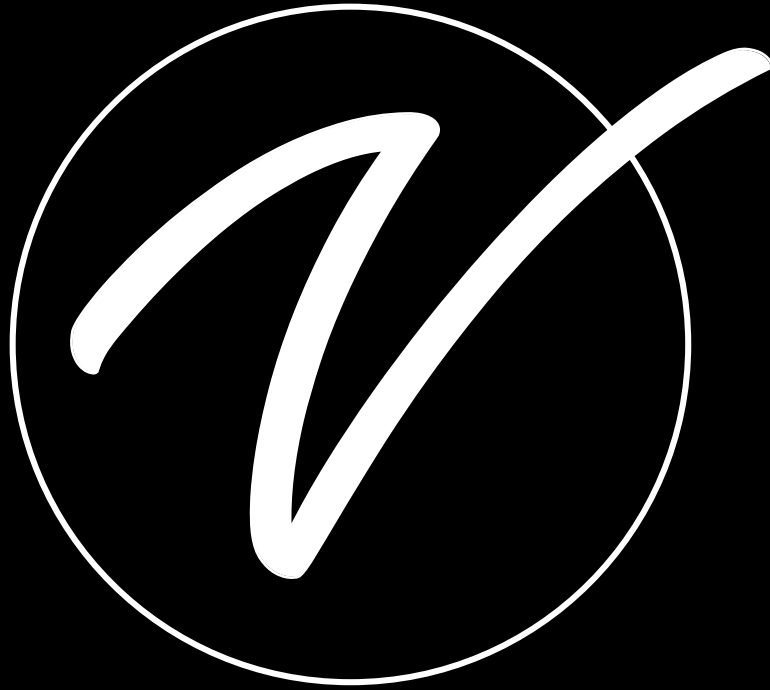
# Specification

Model	ADIME904-05
Max Capacity	660 lb/300kg
Min Weight	4 lb/2kg
Scale Division	0.2 lb/0.1kg
Weighing Units	Kg, lb
Display	Big LCD with backlight display
Platform Size	620 x 520mm (24.4" x 20.47")
Overall Dimension	620 x 520 x 1300mm (24.4" x 20.47" x 51.2")
Operation temperature	0~40°C
Power Requirements	AC adapter (supplied with balance); 110 or 220V AC, 50/60Hz or 4 AAA batteries option



# Warranty

1. Viva Comfort (the "Company" or "Tiger Companies") warrants to the purchaser that the product will be free from defects in workmanship and materials for a period of 1 year from the date of purchase. The warranty period is not extended if we repair, replace, exchange, or provide a refund for the product (as determined in our sole discretion). We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive.
2. These warranties are not assignable or transferable to any other person, including, without limitation, any subsequent owner or other transferee of the product.
3. This Warranty does not apply to: (a) damage caused by misuse, tampering, abuse, neglect, or accident; (b) damage caused by improper installation, modification, or service; (c) alteration of the serial number; or (d) use that violates the instructions furnished by the Company will void this warranty.
4. The sole responsibility of the Company shall be limited to (a) the repair or replacement (in its sole discretion) of any component of the product which fails to conform to this; (b) a refund the purchase price of such product (in its sole discretion), at no cost to the purchaser for the period of the warranty, or (c) an exchange for a similar product, comparable in function and price.
5. Contact the Company directly at 1-(800)-805-1790 to obtain service under this warranty. If it becomes applicable to send a defective product to the Company, a Return Authorization Number must first be obtained from the Company. In order to obtain service under this warranty, purchaser may be required to provide the Company with the following items (a) proof of purchase, (b) photographs and or videos (of the damage, and (c) a written testimonial describing the defect.
6. Products shipped without prior Return Authorization and Return Authorization Number may not be accepted, and the Company will not be responsible for their disposition and/or cost of return to the owner.
7. The Company will not assume any responsibility for any loss or damage incurred in shipping and or delivery.
8. The product(s) must be returned within 14 calendar days of receiving the return authorization from the Company and must include the original proof of purchase for the warranty to be honored.
9. Any implied warranties that the purchaser may have are limited to the duration of the warranties described above. There are no further warranties that extend or apply beyond the face hereof, and the Company expressly disclaims and excludes any and all warranties of merchantability or fitness for a particular purpose. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
10. THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND THE COMPANY'S ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY. OUR LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT, NOR SHALL WE UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE LIMITATION MAY NOT APPLY TO YOU.
11. This warranty gives you specific legal rights, and you may also have additional rights which vary from state to state.



**ADIME904-05**

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