

TANITA

ELECTRONIC SCALE

MODEL BWB-800A

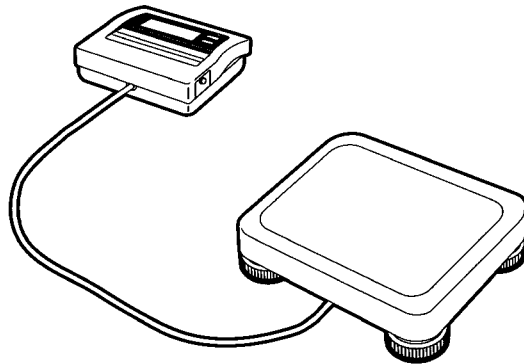
SEPARATE

CLASS III
NTEP APPROVED



SERVICE MANUAL

THIS INSTRUCTION IS ONLY
FOR AUTHORIZED PERSONNEL



**THIS FINE INSTRUMENT IS
PRECISION CRAFTED BY
TANITA CORPORATION
TOKYO, JAPAN**

ATTENTION

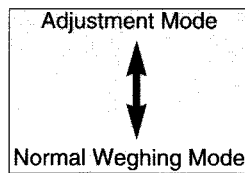
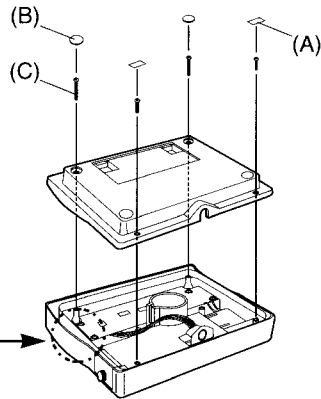
The gravity correction must be made each time after calibration has been concluded.

The gravity correction must be 0.00% when the scale is used in same location where the scale was calibrated.

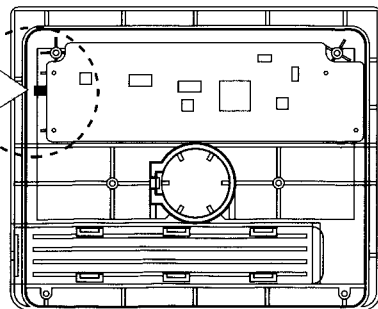
When the scale is used in a different location than where the scale was calibrated, gravity correction must be made before transfer.

I .To Enter Adjustment Mode

1. Peel the sealing sticker (A) off.
Loosen two rubber feet (B) and four screws (C), and take the bottom housing of the controller off.
The mode switch appears on the P.C.Board as below.



Calibration switch




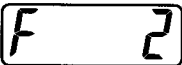

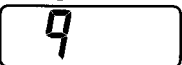
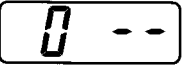


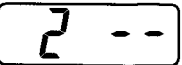

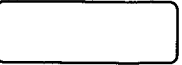


2. Side the mode switch position to the adjustment mode as below, the scale is ready for calibration procedures.

IMPORTANT :

The switch should be returned to original position after calibration is completed.


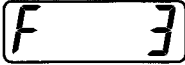




II .Calibration

Key Operation	Display
1. Press and hold the [kg/lb] key and press the [ON/ZERO] key once. "F 1" will be displayed, then release the [kg/lb] key.	  
2. Press the [ON/ZERO] key only once. The display will show "F 2".	
3. Press the [kg/lb] key once. Press the [ON/ZERO] key alternately for lb or kg to be used for calibration.	<p>For lb</p>  <p>OR</p> <p>For kg</p> 
4. Press the [kg/lb] key.	  
5. Gently place the standard weight.. When lb is selected in step 3, the standard weight is 440lb. When kg is selected in step 3, the standard weight is 200kg.	
6. Press the [kg/lb] key.	
7. Remove the weights and clear the tray. Press the [OFF] key. Calibration is now complete.	

Note : If the scale will be used in a different location from where the scale was calibrated, gravity correction must be adjusted for the actual location.

If the scale will be used in same location where the scale was calibrated, gravity correction must be adjusted to 0.00%.

III.Gravity Correction

Key Operation	Display
1. Press and hold the [kg/lb] key and press the [ON/ZERO] key once. "F 1" will be displayed, then release the [kg/lb] key.	
2. Press the [ON/ZERO] key twice. The display will show "F 3".	
3. Press the [kg/lb] key once. The correction value of the specified gravity is displayed.	Example:0.05% 
4. To INCREASE the correction value, press the [ON/OFF] key. (0.01 increments) To DECREASE the correction value, press the [OFF] key. (0.01 increments)	
5. When the scale is used in same location where the scale was calibrated, gravity correction value must be specified to 0.00.	
6. When the scale is used in a different location than where the scale was calibrated, the correction value is determined by below calculation, and must be specified to the determined value. $[\text{Correction Value}] = \frac{[\text{Calibrated gravity}] - [\text{Gravity of actual location}]}{[\text{Correction Value}]} \times 100$ Example:[Calibrated gravity]=9.800 [Gravity of actual location]=9.805 $[\text{Correction value}] = (9.800 - 9.805) / 9.800 \times 100 = -0.05$	
7. Press the [kg/lb] key.	
8. Remove the weights and clear the tray. Press the [OFF] key. The Gravity correction is now complete.	