

Yamato



Digital Portion Scale

AW-WPS

SERVICE MANUAL

PLEASE TAKE THE TIME TO READ THESE INSTRUCTIONS BEFORE
STARTING TO USE THE SCALES

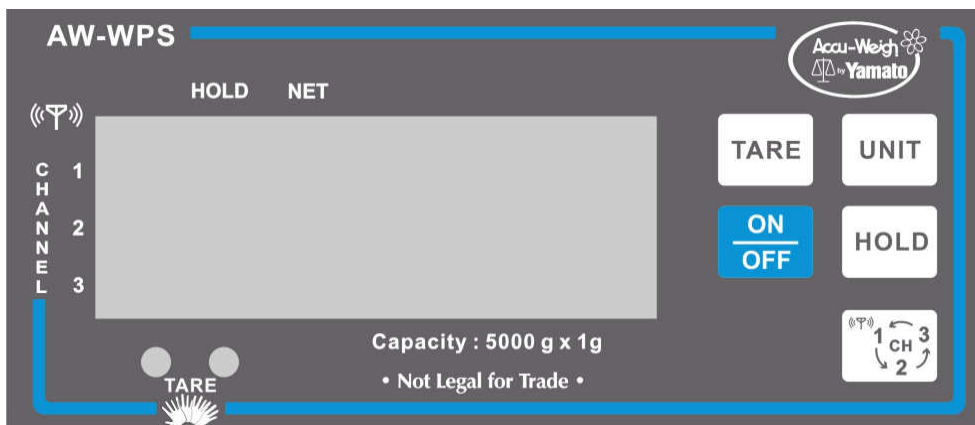
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




SPECIFICATIONS

Model	AW-WPS
Capacity	0-10 lb x 0.05 oz/10-30 lb x 0.1 oz 0-5 kg x 0.002 kg(2 g)/5-15 kg x 0.005 kg (5 g) 30 lb x 1/8 oz
Weight Unit	lb:oz(decimals) lb:oz(fractions)/kg
LCD Readout	1" LCD readout
Dimensions	14" x 14" x 1.6"
Buttons	ON/OFF, HOLD, Unit, Tare, Channel
Power Supply	<ul style="list-style-type: none"> ➤ 10 x AA batteries (6 for base, 4 for remote,not included.) ➤ 2 120V AC adapters (1 for base, 1 for remote (included))
Operation Temperature	32°F / 104°F (0°C / 40°C)

OVERLAY



KEY FUNCTION

	<p>Press to turn the scale ON or OFF.</p>
	<p>Press to ‘Tare’ (zero) the weight of any item while weighing.</p>
	<p>Press to ‘Hold’ the weight on the screen.</p>
	<p>Press to switch between lb:oz and kg units of measurement.</p>
	<p>Press to reset the scale to zero(TARE function)if the scale does not show zero automatically.</p>
	<p>Icon flashes when scale is ready for a weighing.</p>
	<p>Stability display: If the display shows ‘o’,the weight is stable on the scale. If the display shows ‘’, the weight is unstable.</p>
	<p>The ‘Hold’ weighing function is active.</p>
<p>kg ↔ lb:oz</p>	<p>Indicates the Weighing unit [kg ↔ lb:oz].</p>
	<p>Stored ‘Tare’ value.</p>
	<p>Touch-free taring field.</p>
<p>- / o on base</p>	<p>On (-) /Off (o) switch for scale base.</p>


PREPARING SCALE FOR WEIGHING


Before Weighing

1. Please select the scale's channel to match the wireless display. (The scale's channel indicator is located on the scale's base; please remove the rubber stopper to access the channel indicator.)For example: If the wireless display is using Channel-1, select Channel-1 for the scale.(Please see Page 6 for instructions for selecting platform channels.)
2. Press the ON/OFF button to turn on the scale.
3. Please make sure that the distance between the scale base and the wireless display is within 30 feet (10 meters).

Note: If the scale's channel is not same as the wireless display, '88888' will appear on the display. Set the scale and wireless display to the same channel.

Weighing

1. Press the ON/OFF button to turn on the scale.
2. '88888' appears on the screen, then '0' and '  ' will flash.
The scale is ready for weighing.

***NOTE-** If the "88888" display does not show '01, press the  button to change the wireless display's channel to match the scale's channel. For example: If the scale's channel is set to Channel-1, please select Channel-1 for the wireless display also.

CHANGING THE WIRELESS DISPLAY'S CHANNEL


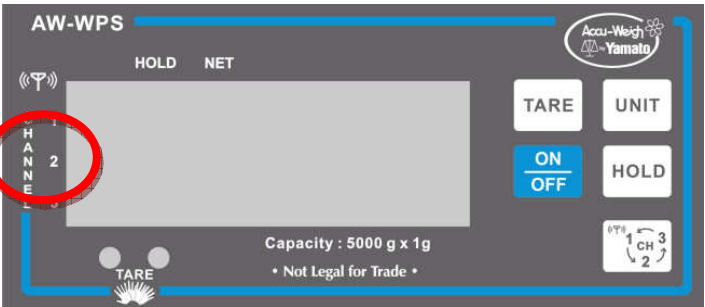



Press the  button to select the wireless display channel.

Channel numbers (1, 2, 3) are shown on the left hand side of the display.

When a channel is selected, a triangle icon points to the selected channel.

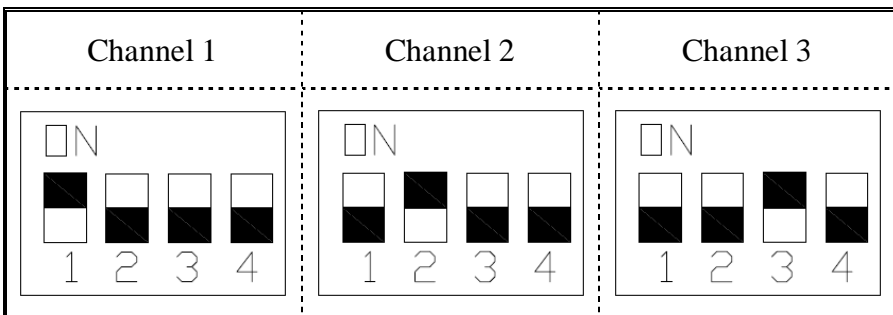
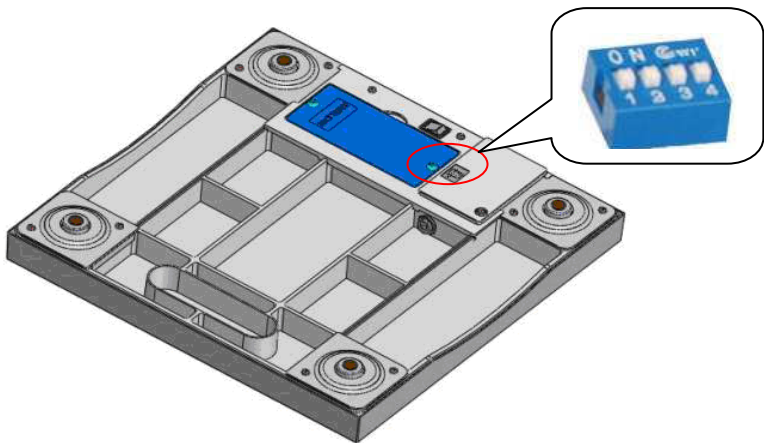
For example- If Channel-1 is selected, the triangle icon points to '1'.

Channel 1	
Channel 2	
Channel 3	

SELECTING THE SCALE PLATFORM'S CHANNEL

To select the scale platform's channel, first turn off the scale base and wireless display units. Then use the dip switch, which is located on the bottom of the scale under the rubber stopper. The dip switch has four pins marked '1, 2, 3, 4' (Pin-4 is not active; only 3 channels are available for use.) To select a channel, move the pin toward the 'ON' mark (pictured below). For example- To select Channel-1 for the scale, move Pin-1 towards the 'ON' mark. Turn on the scale base first, then the wireless display for use.

The dip switch is on the bottom of the scale platform under the rubber stopper.




USING THE TARE FUNCTION

The Tare Function allows the user to zero the scale to cancel out the weight of a container, thus giving the weight of the item being weighed.


- Press the ON/OFF button to turn on the scale.
- Place the container on the scale platform.
- Press the 'TARE' button after the weight stabilizes and stable sign displays.
- The display will reset to '0'.
- Place the item to be weighed on the platform (without removing the 'tared' container).

OR

Touch Free Tare Function: This scale is equipped with 'Photo eye mechanism' for a touch free 'TARE' function. Simply pass your hand over the 'Photo eye' sensor and the scale will tare the weight.

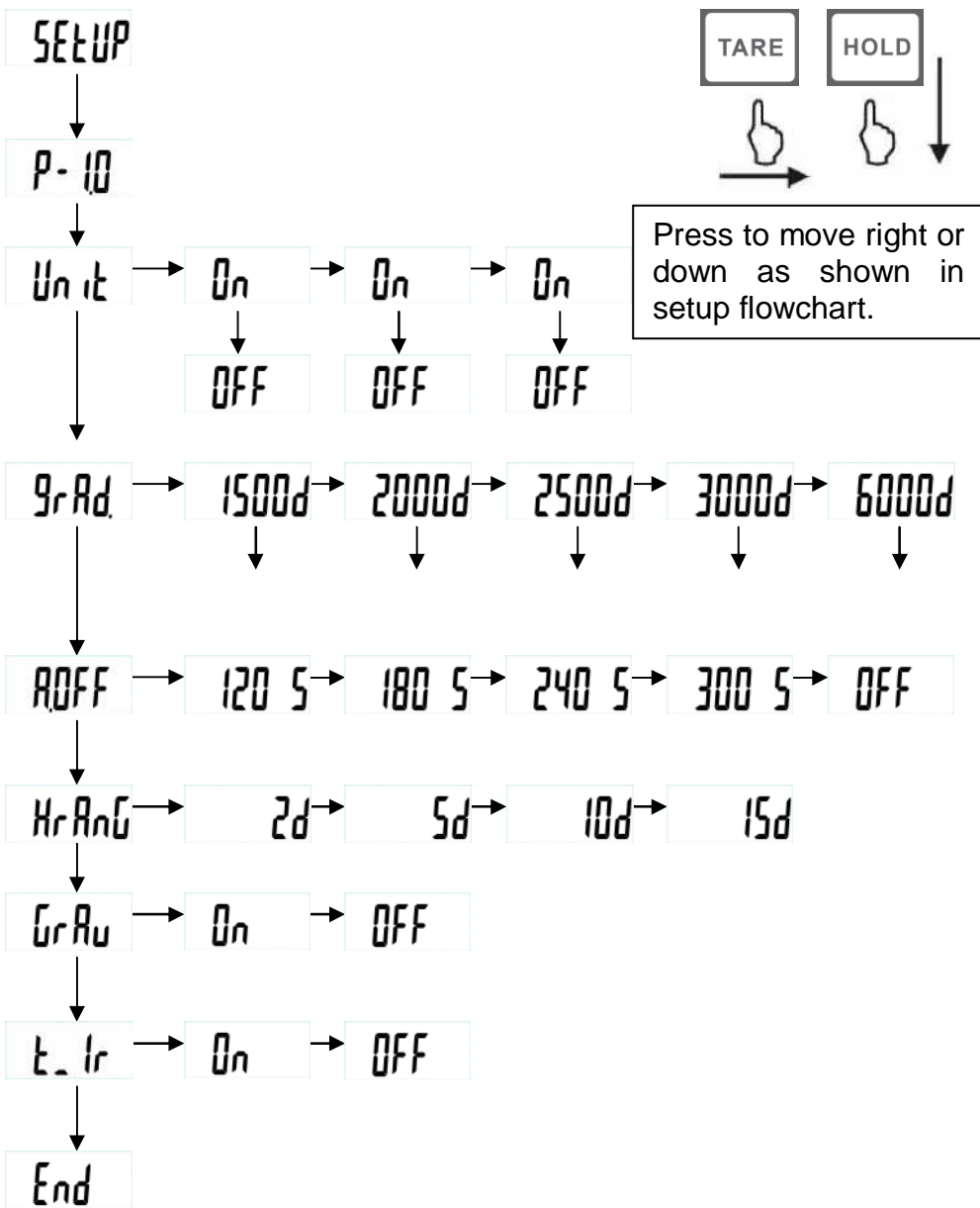
- Place the container to be tared on the scale platform.
- Pass your hand over the  sign on the indicator.
- The display will reset to '0'.
- Place the next item to be weighed on the scale platform.

To reset the 'TARE' to zero, remove the tared container from the platform

and press the 'TARE' button, or pass your hand over the  sign.

SETTING MODE

Please press and hold ON/OFF key and press TARE key 3 times at same time. The display shows SETUP and then followed by UNIT appears.

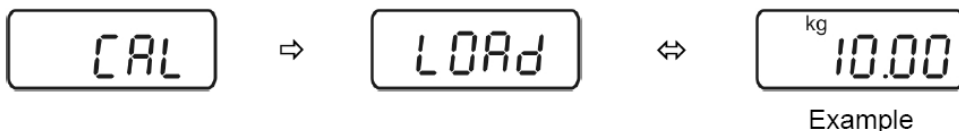


SETTING FUNCTION DESCRIPTION

Function	Description	Default
Unit	(Units): lb , kg	kg, lb
GrAd.	(Graduations): Setting division, max capacity and graduation 1500d / 2000d / 2500d / 3000d / 6000d	3000d
AOFF	(Auto off Time): 120 sec/ 180 sec/ 240 sec/ 300 sec/ OFF	180
HRANG	(Hold range): 2d/ 5d/ 10d/ 15d	5d
GrAu	(Gravity): on , off	off
t.lf	(Touch less feature): on , off	on
End	To confirm the settings and end the procedure	

CALIBRATION PROCEDURE

In weighing mode press the UNIT key and keep it pressed until “CAL” followed by the weight value of the required adjustment weight in displayed. “LOAD” is displayed alternatively. (You can press UNIT key to change lb or kg.)



Carefully place the required adjustment weight in the center of the weighing plate then press TARE key, adjustment is started.



Wait until the stability display appears, after that the adjustment is finished. The balance will automatically return to weighing mode upon successful completion of the adjustment and will display the weight of the adjustment weight.



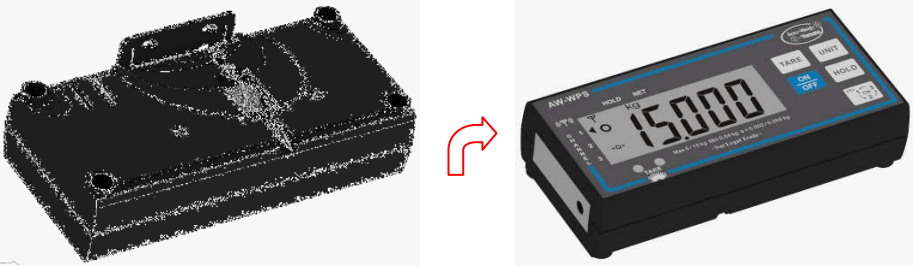
Take away adjustment weight.



TABLE-TOP STAND AND WALL MOUNTS

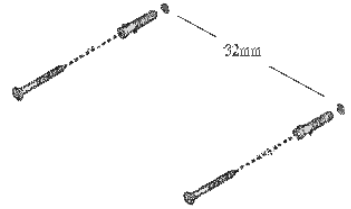
You may stand the scale platform on a table. Adjust the angle of the wireless display for easy viewing.

Table top display:

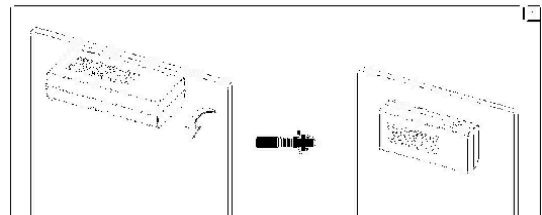
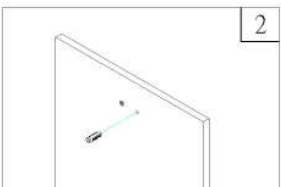
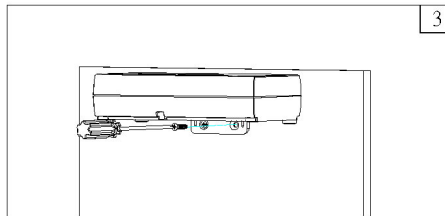
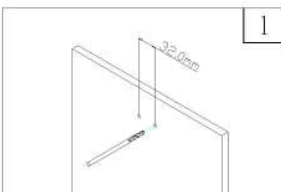


Wall display:

The wireless display may be mounted to a wall. Use the mounting material included.



1. Screw the screws to the wall as shown.
2. Push the wireless display onto the well.



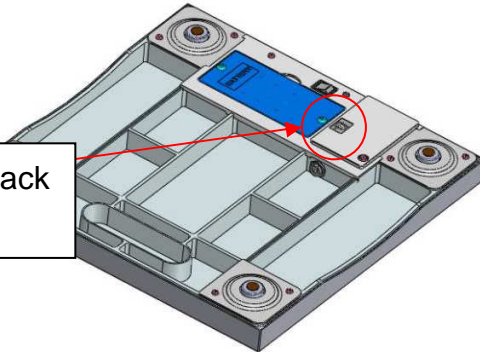
POWER SOURCES

If **. Lo** displays on the LCD, please use the included Taylor adapters or replace the batteries. Insert an adapter into the bottom of the wireless display and the scale base.

Indicator - AC Jack Connector



Weighing Platform-AC Jack Connector

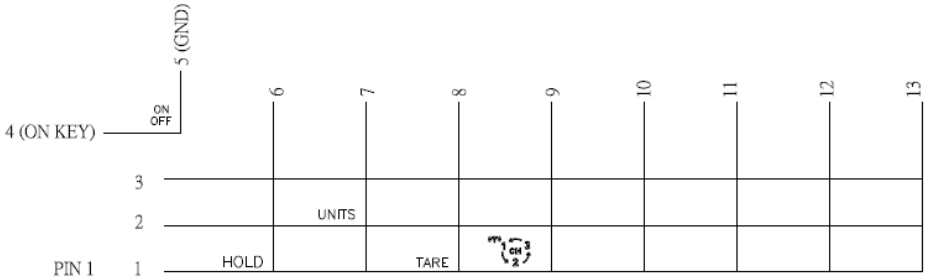


This scale's weighing platform and wireless display require separate electric power. Before using the scale, please make sure that both the scale base and wireless display have batteries correctly installed or both adapters correctly plugged in.

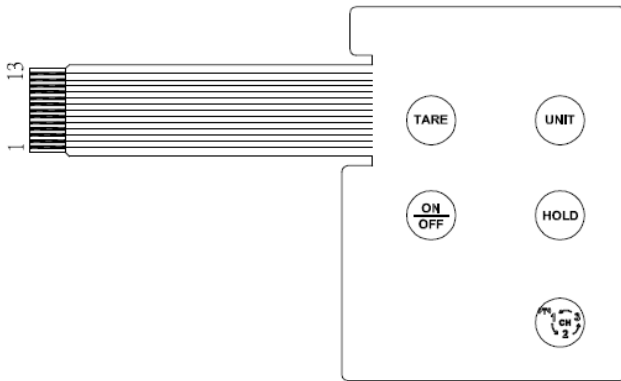
The scale base uses 6 AAA batteries and the wireless display uses 4 AAA batteries (batteries not included), or the units use a 120V AC adapter each (2 adapters included).

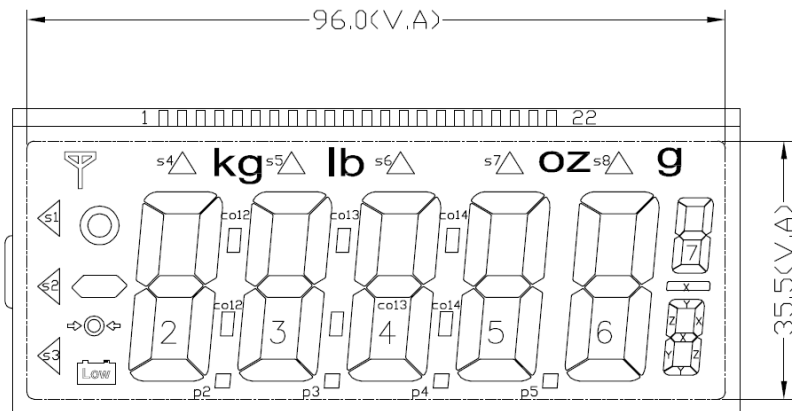
CONTROL PANEL

When control panel switch damaged. Using multi-meter to measure voltage of control panel. Reconnect control panel. Make sure that control panel is connected to the correct housing. If problem persists, replace a new control panel.



PIN Assignment

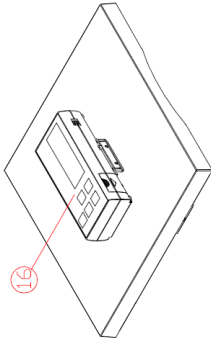




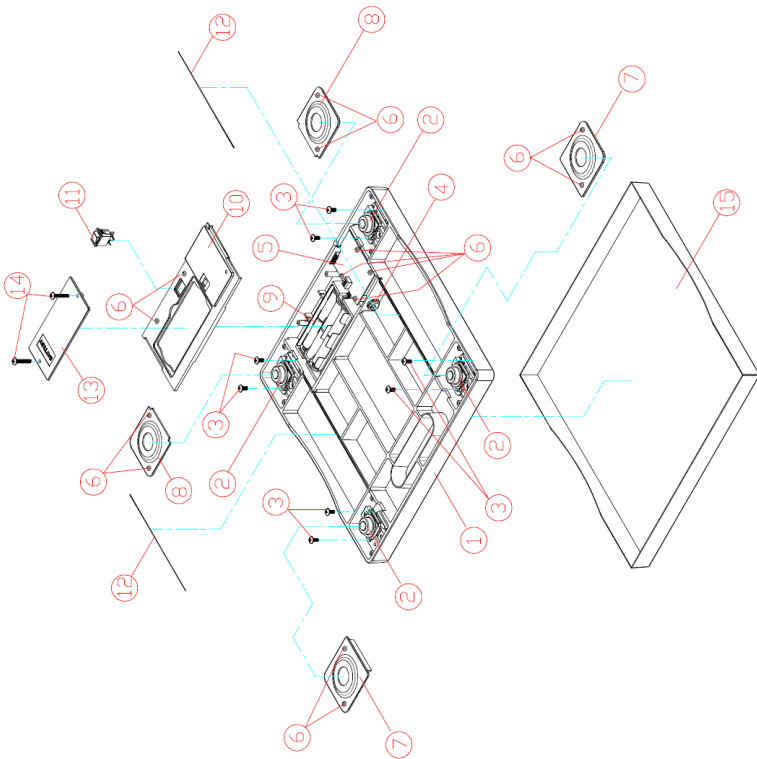
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
COM1			s4	2a	kg	s5	3a	lb	s6	4a	s7	oz	5a	s8	6a	g	7a	/	C1	/	/	/
COM2	s1		X	2f	2b	co12	3f	3b	co13	4f	4b	co14	5f	5b	6f	6b	7f	7b	/	C2	/	/
COM3	s2		Y	2g	2c	p2	3g	3c	p3	4g	4c	p4	5g	5c	6g	6c	7g	7c	/	/	C3	/
COM4	s3		Z	2e	2d	/	3e	3d	/	4e	4d	p5	5e	5d	6e	6d	7e	7d	/	/	/	C4

When power on, the scale shows non-complete segments. Please check the LCD pin (please refer to above LCD format). Check whether LCD pins are soldered properly or not.

PARTS & ASSEMBLY DRAWING

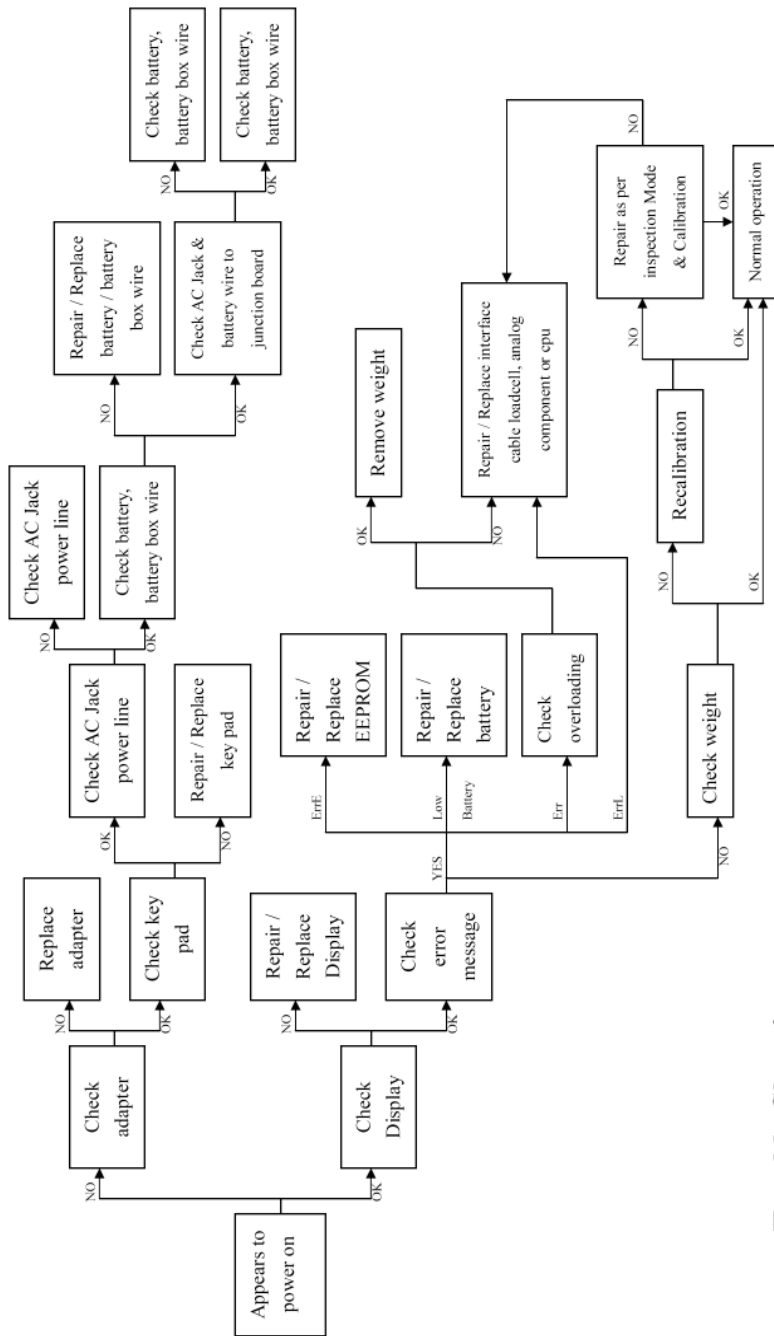


NO.	ITEM	Drawing No.	QTY
1	Plastic Cover	CR-2891	1
2	LOAD CELL	LM-0581	4
3	Screw	M4X8	8
4	AC-JACK	SCD-522	1
5	PCB板(RF)	CH-0810	1
6	Self-tapping screw	M4X10	14
7	Sensor cover(base)	ST-3611	2
8	Sensor cover(Top)	ST-3621	2
9	Battery Holder	AA 1.5V*4PCS	1
10	Rear Cap	ST-3611	1
11	Switch	RL3-411-G+BK	1
12	Rubber	ST-8275	2
13	Battery cover	BT-1141	1
14	Screw	M4X25	2
15	SS Platform	CR-2901	1
16	Indicator	SM-3371	1



TROUBLE SHOOTING

ERROR MESSAGES



Trouble Shooting

Message	Description
Lo	Low battery indicator for wireless display: This warning indicates the batteries for the wireless display are low. Please replace all the batteries or use the AC adapter for operation.
Lo d	Low battery indicator for scale base: This warning indicates the batteries for the scale base are low. Please replace all batteries or use the AC adapter for operation.
ErrE	EEPROM error for wireless display: The programming for the wireless display has an error. Please contact customer service.
ErrEd	EEPROM error for scale base: The programming for the scale base has an error. Please contact customer service.
Err	Overload or counting error (too high): The weight or count capacity is over the limit. Please reduce the weight/count and try again.
ErrL	Overload or counting error (too low): The weight or count capacity is under the limit. Please increase the weight/count capacity and try again.