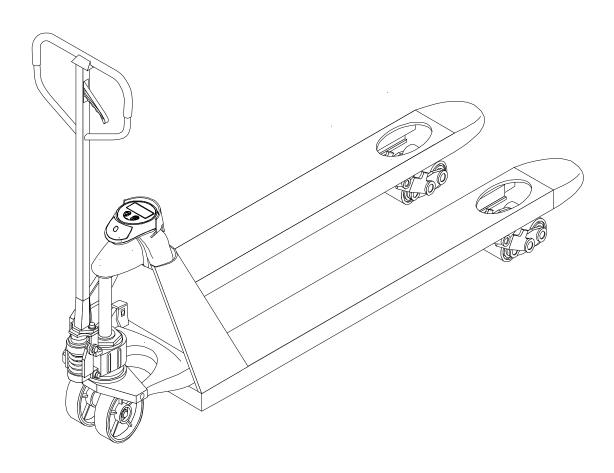
# INSTALLATION MANUAL RAVAS-1



Note: Operator MUST read and understand these operating instructions before using this Hand Pallet truck with weight indication.

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We would like to inform you about the fact that this RAVAS product is 100 % recyclable on the basis that the parts are processed and disposed off in the right manner.

More information can be found on our website <a href="https://www.ravas.com">www.ravas.com</a>.

Rev.20150617 Printing/typographical errors and model changes reserved

### 1. Introduction

Thank you for using this hand pallet truck with weight indication. Your hand pallet truck with weight indication was designed to give you a reliable and easy to use product. For your safety and correct operation, please carefully read this instruction before using it.

NOTE: All of the information reported herein is based on data available at the moment of printing. We reserve the right to modify our own products at any moment without notice and incurring in any sanction. So, it is suggested to always verify possible updates.

# 2. Warnings & Safety measures

When using the hand pallet truck with weight indication please observe carefully the instructions and guidelines contained in this manual. Always perform each step in sequence.



READ CAREFULLY

- All safety regulations that apply to the pallet truck remain valid and unchanged.
- Any modifications done to the system must be approved in writing from the supplier, prior to any work being completed.
- Do not operate this unit unless you have been fully trained of its capabilities.
- Check the accuracy of the scale on a regular basis to prevent faulty readings.
- Only trained and authorized personnel are allowed to service the scale.

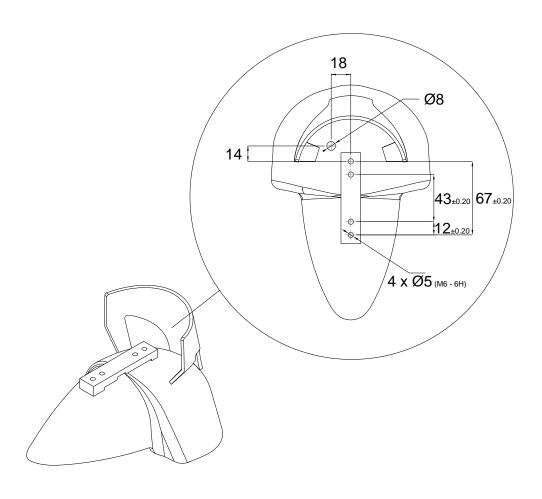
### 3. Functionality keys

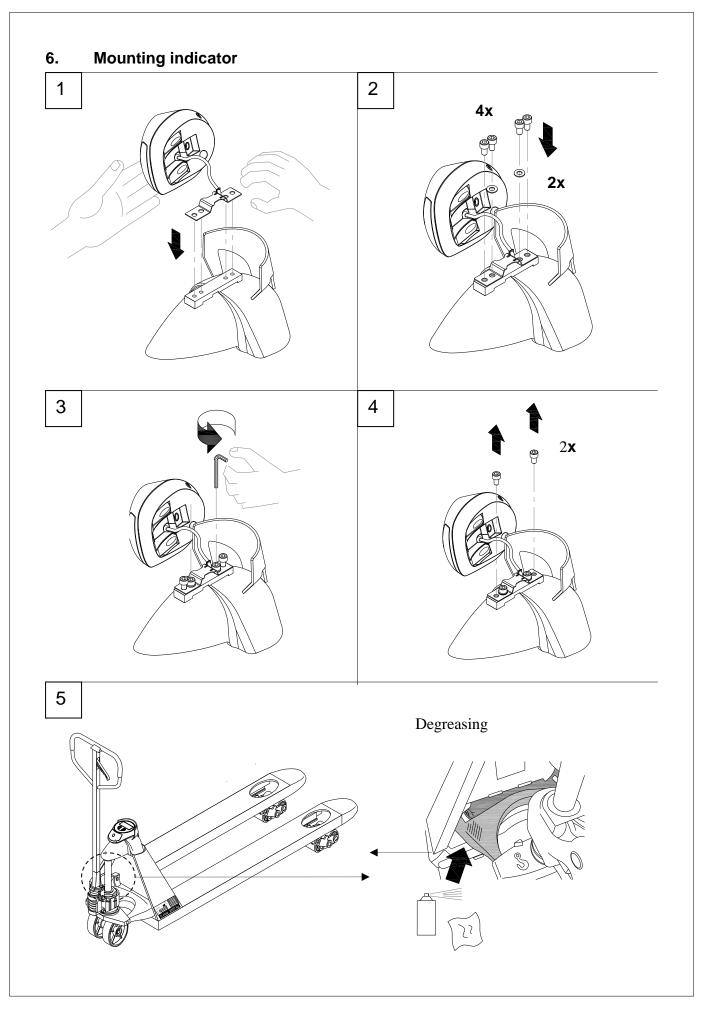
KEY FUNCTIONS	ZERO	TOTAL
<u>WEIGHING MODE</u> 1. SHORT KEY PRESS	Zero correction	Switch ON Totalize weight
2. LONG KEY PRESS (> 3 sec)		Show totalization memory  during cycle, reset memory by pressing zero
3. VERY LONG KEY PRESS (> 10 sec)	Zero calibration	pressing zero
4. 30 SEC KEY PRESS (> 30 sec)		Go into <i>Service menu</i> (keep key pressed during switching on)
ENTRY MODE 1. SHORT KEY PRESS	Go into entry menu Shift cursor to left	Scroll upwards though menu to increase the value of the shown digit
2. LONG KEY PRESS (> 3 sec)	Confirm (activate calibration)	

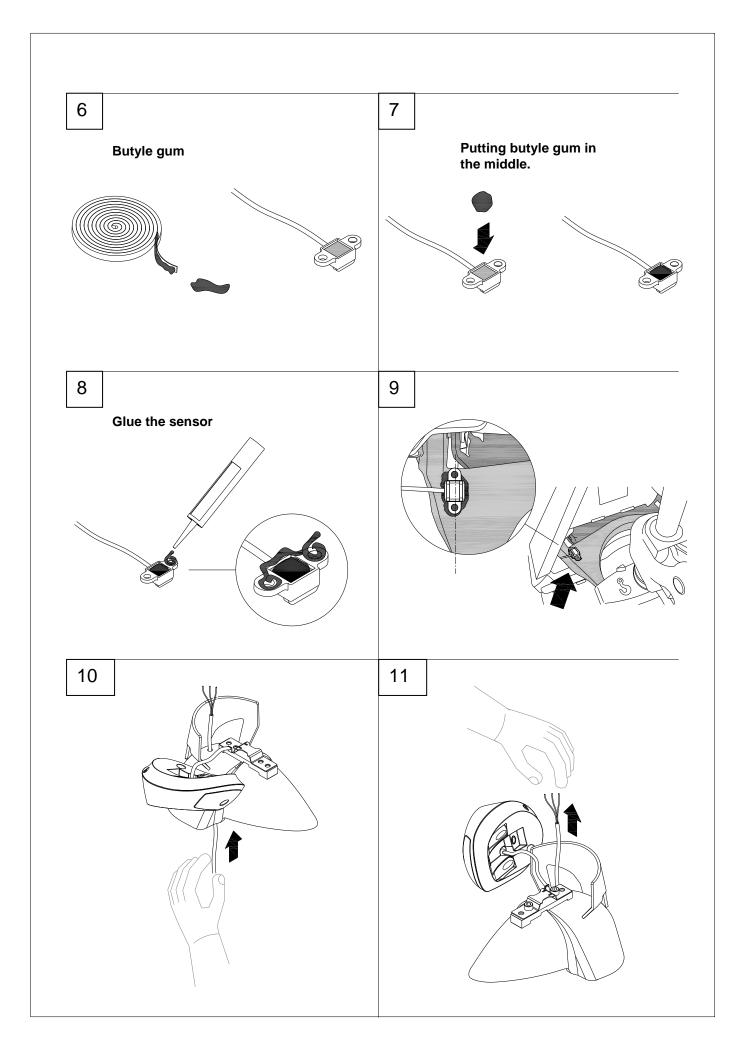
# 4. Exploded view & Part list

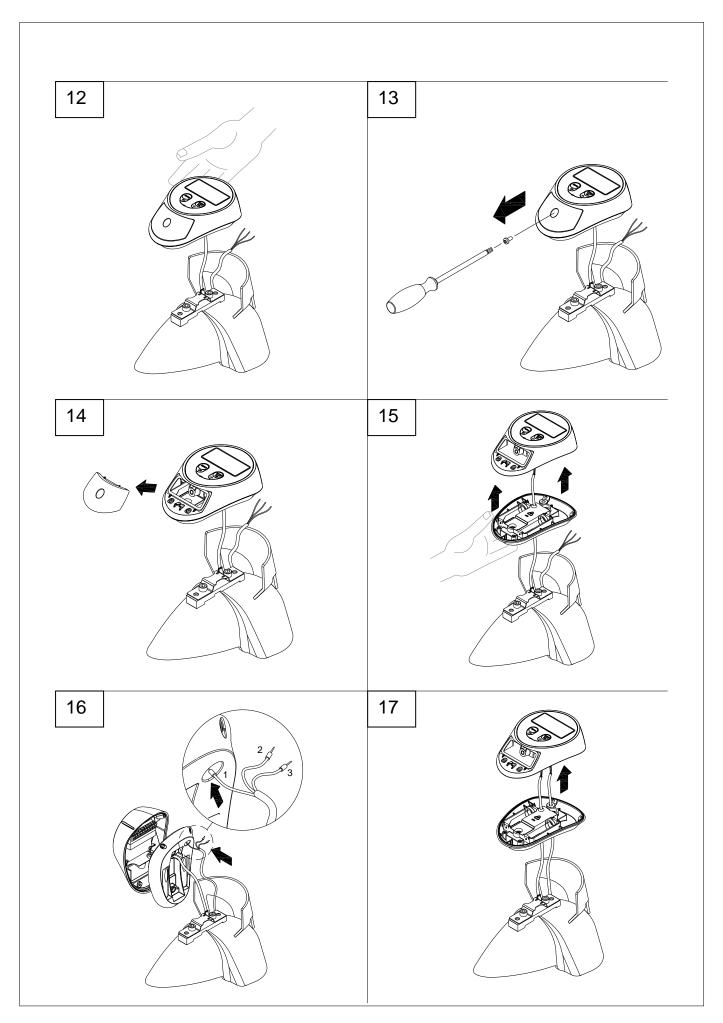
Part nr.	Description	Amount
1	Indicator Assembled	1
2	Cross recessed raised	1
	cheesehead screw M4x10	
3	Indicator battery cover with sealing	1
	gasket	
4	Self tapping plastic screw k3.0*12	4
5	Touch panel	1
6	Indicator top housing	1
7	LCD display	1
8	Self tapping plastic screw k3.0*6	4
9	Indicator bottom housing	1
10	Spacer ring M6	2
11	AA battery 1.2-1.5VDC	2
12	Hexagon socket head screw	4
	M6x10 low	
13	Washer M6	2
14	Weight-sensor	1
15	Height-sensor	1

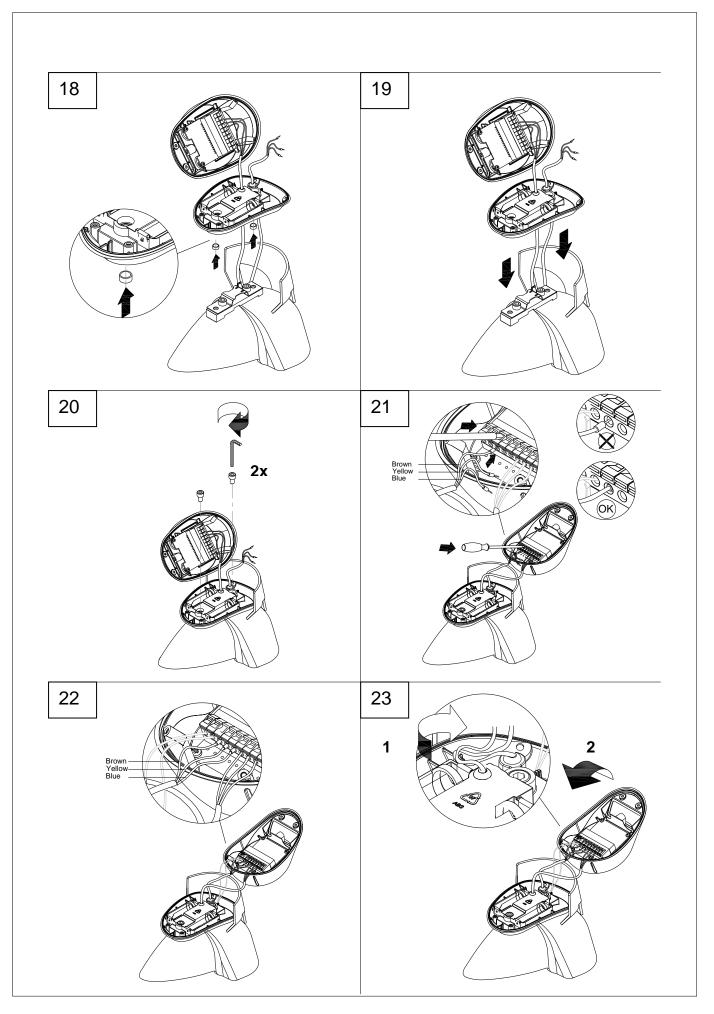
#### Head mounting holes pattern 5.

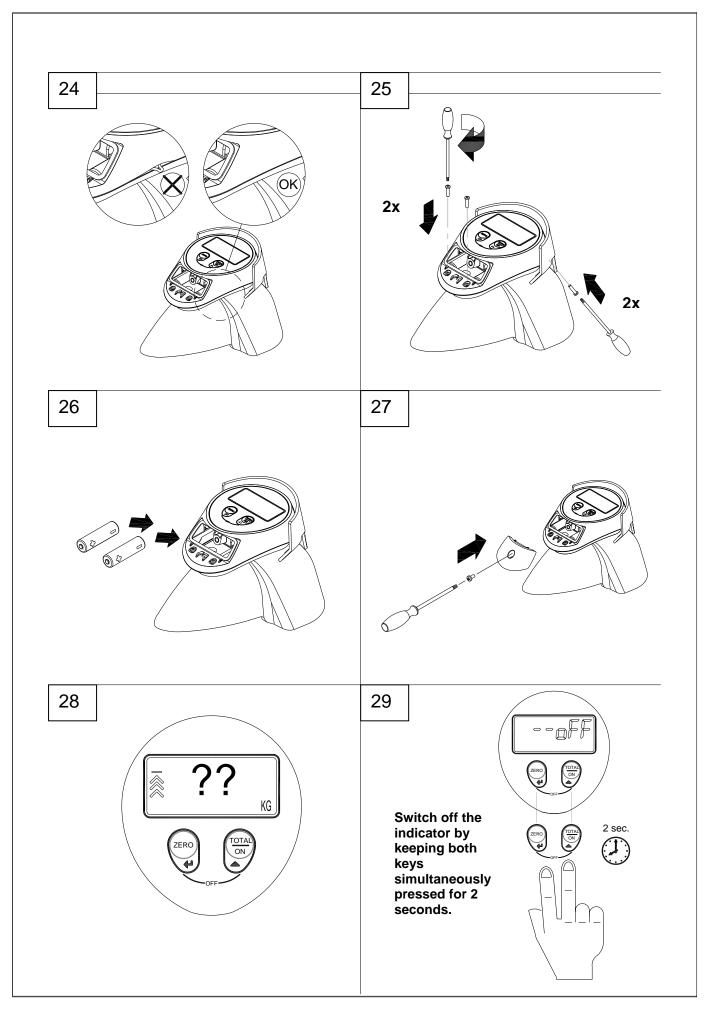




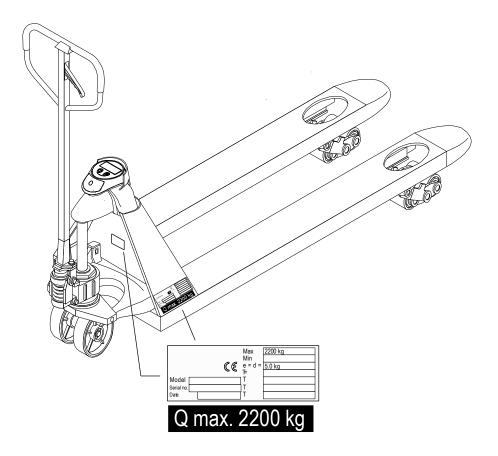






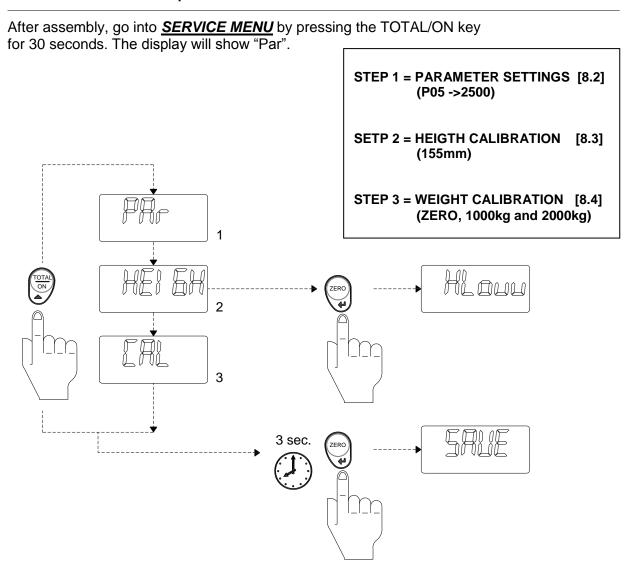


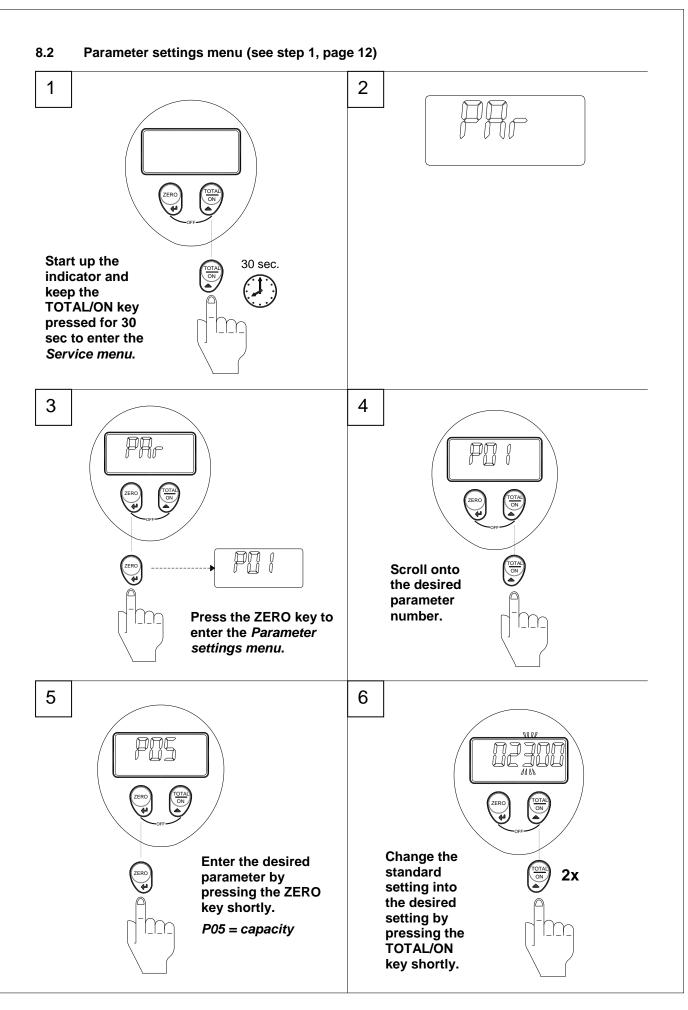
# 7. Placing the two machine labels

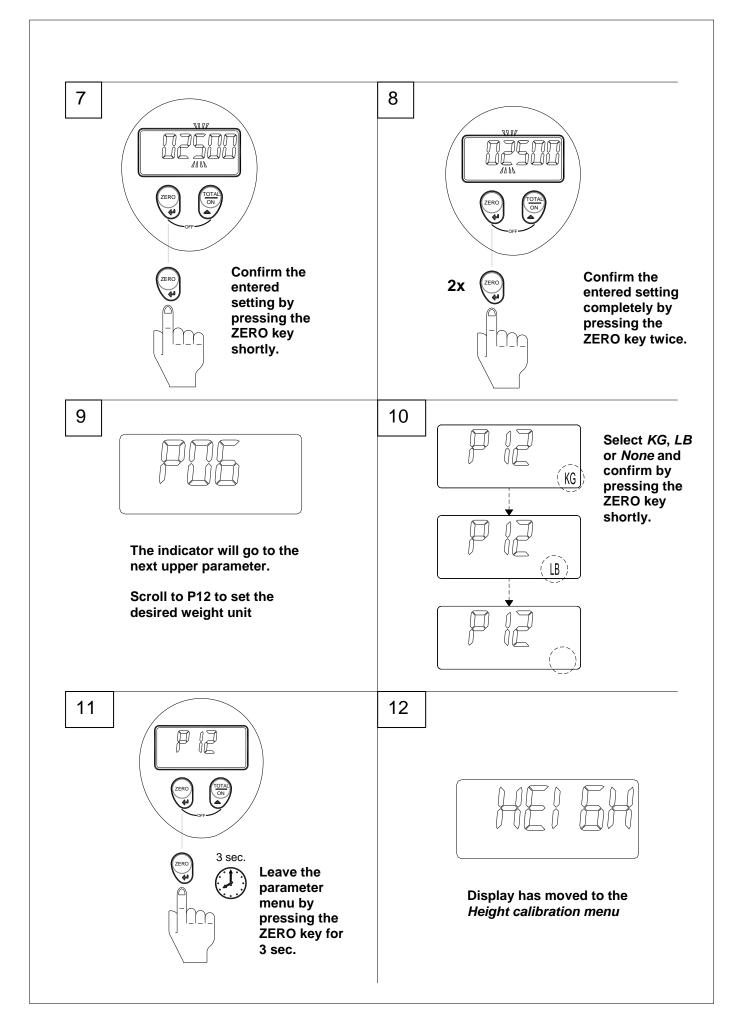


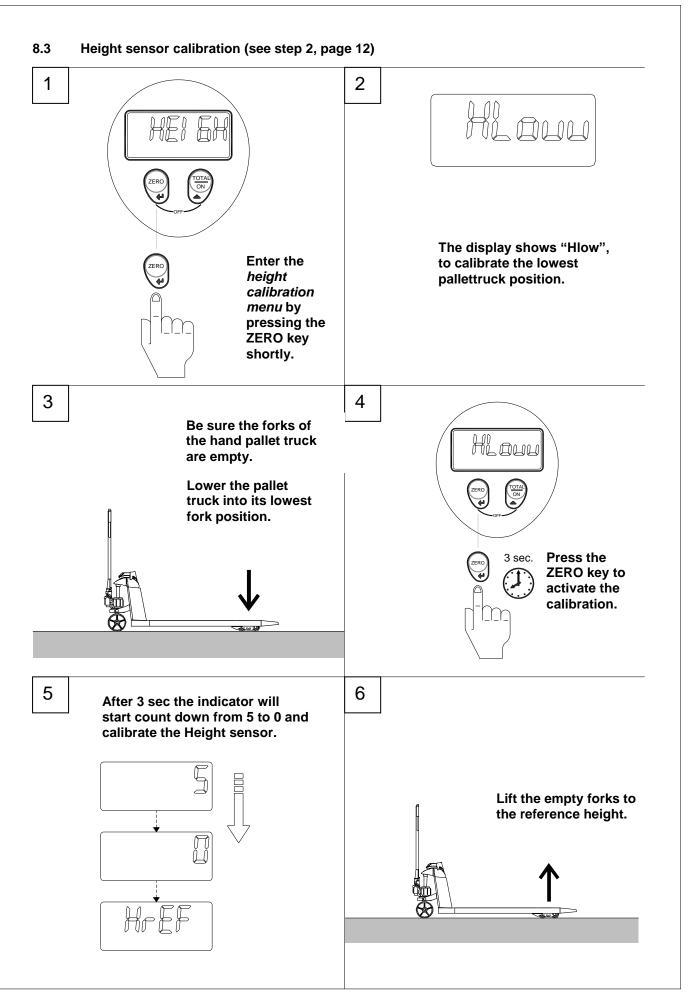
## 8. Service menu

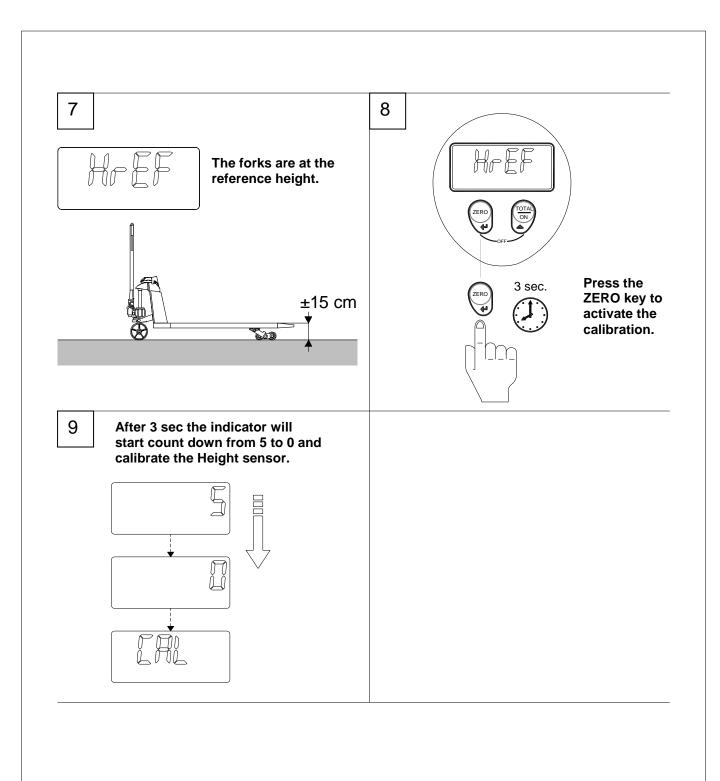
## 8.1 Service menu set-up

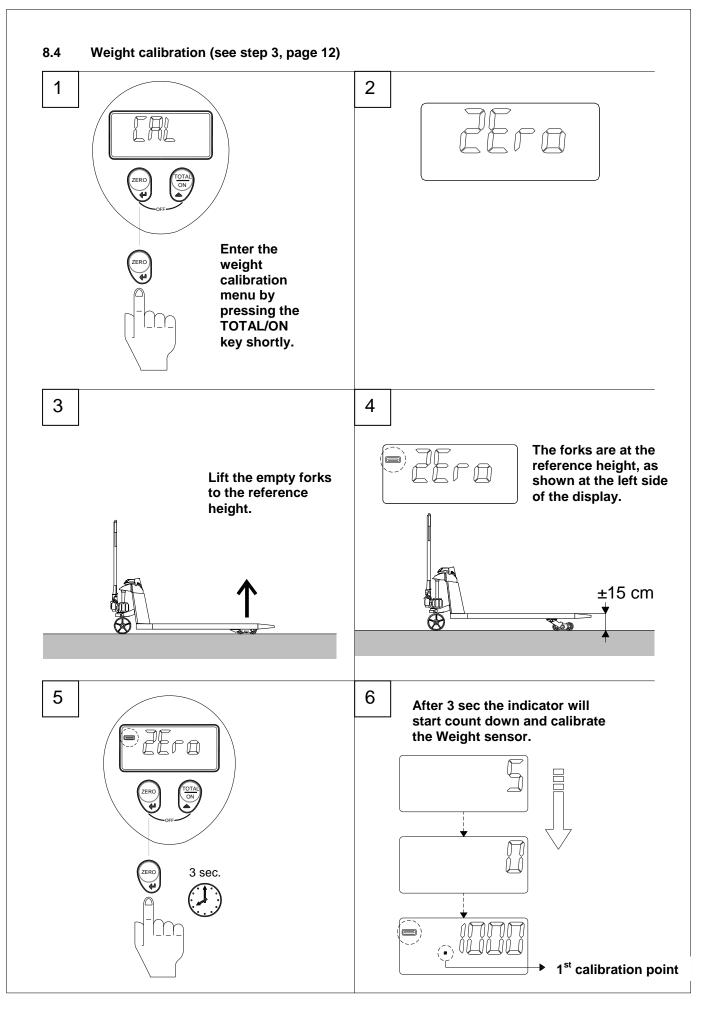


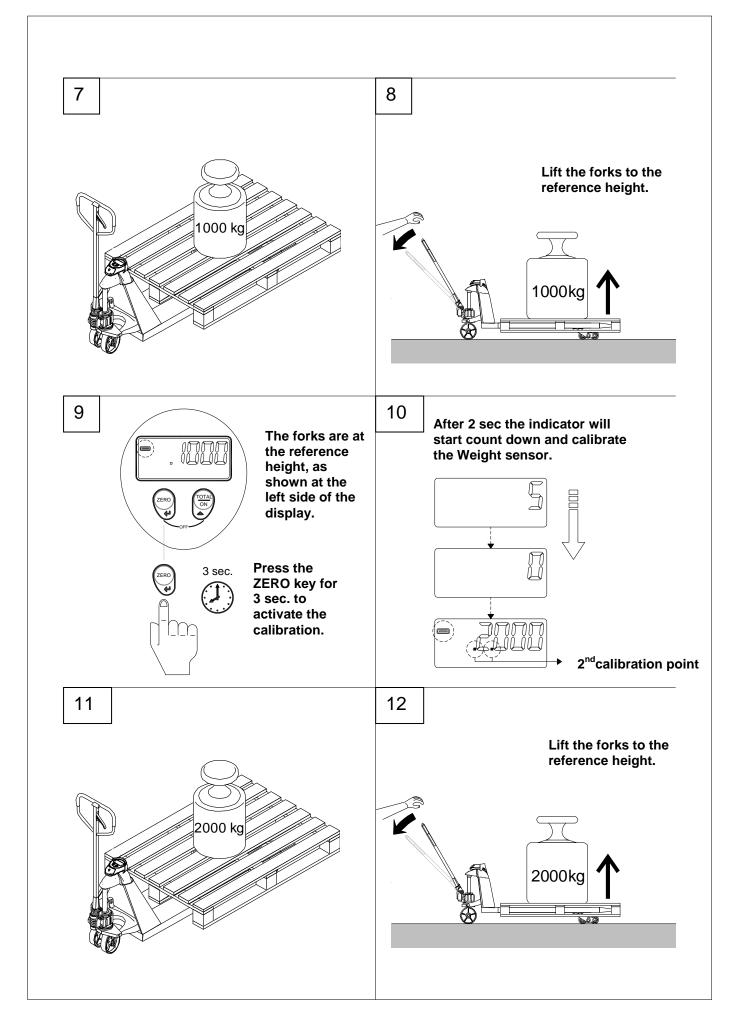


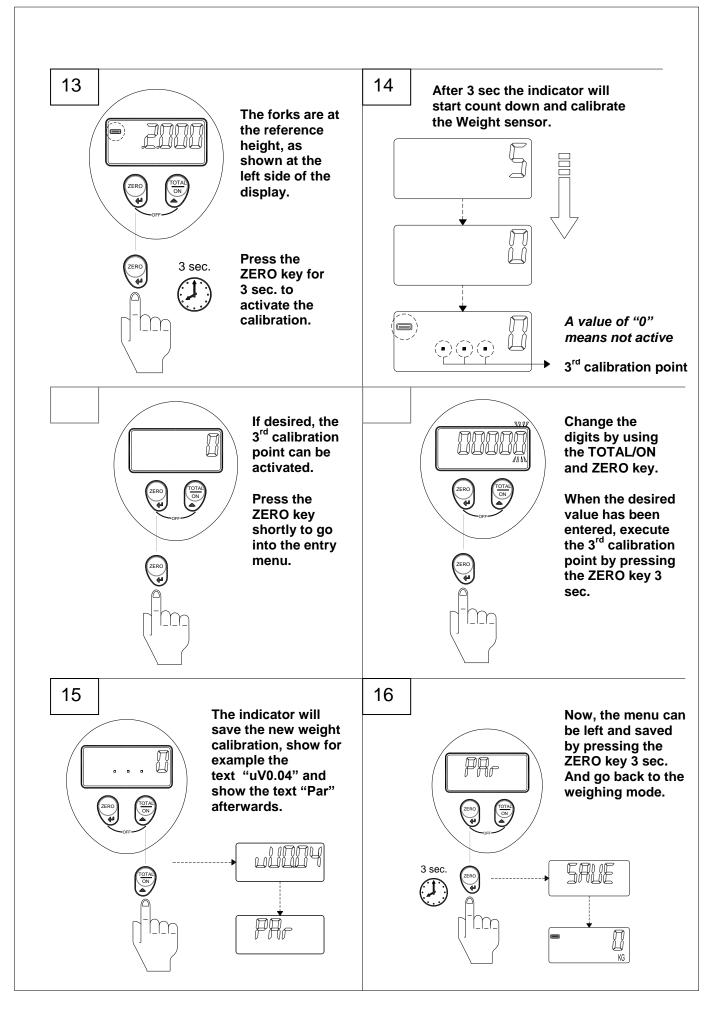












# 9. Parameterlist software IN-RAV-1-3V (LIST)

Par Nr.	Function	Settings	Factory defaults	RAVAS-1	Option Quicklift
P 01	Delay time peakhold in seconds	0 /9	5		
P 02	Smallest graduation step	0.1/0.2/0.5/1/2/5/10/20/50/100	5		
P 03	Biggest graduation step *1	0.1/0.2/0.5/1/2/5/10/20/50/100	5		
P 04	multi interval per 100-graduation steps	0000-9900	200		
P 05	overload (full scale) per 100- graduation steps	00000-99900	2300	2500	
P 06	motion detection in div/sec.	0/1/2/3/4/5/20/50/100/200/500	4		
P 08	auto shut-off time in minutes	0 t/m 99 (0 = off)	2		
P 10	Zerotrack on/off	0 = off en 1 = on (0.5div/sec)	0	0	
P 12	Start-up unit	None, kg, lb	kg		
P 17	Application	0 = standard 1 = peakhold	0	0	
P 18	g-sensor connected for height indication?	Yes or No	Yes		
P 19	Flashing mode display active?	Yes: the digits that show the weight will be flashing in the display, when forks are not on reference height.  No: the digits that show the weight will always be shown continuously	Yes		
P 20	Buffer size for filtering g-sensor input	0/2/4/6/8/10/12	8	4	
P 30	Top height-range1 in %	1-99%	60		50
P 31	Top height-range2 in %	1-99%	82		75
P 32	Bandwidth range4 in % from H-ref	0.5/1.0/1.5/2.0/2.5/3.0/3.5/4.0/4.5/5.0/5.5 /6.0/6.5/7.0/7.5/8.0/8.5/9.0/9.5/10.0%	4		4.5
P 90	Reset all parameters to factory default settings				
P 91	Low bat level in Volts	0.8/1.0/1.2/1.4/1.6/1.8/2.0/2.2/2.4/2.6/2.8 /3.0	2.0		
P 92	Low Batt Low bat sign will be blinking during low battery	0 = indicator not automatically off because of low-bat 1 = indication off after 1 min	1		
P 93	Main function Key nr. 2	0 = Totalization functions disabled 1 = Totalization functions enabled	1		
P 99	Software number		001		

