Cardinal® DETECTO

Neonatal Scale 6732, 6733, 6735, and 6736 Operation Manual

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Serial Number _____

Date   _____

Purchased From_____

Retain this information for future use.

WARNING

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user, at his own expense, will be required to take whatever measures may be required to correct this interference.

INTRODUCTION

Thank you for purchasing Detecto Model 6700 Series Neonatal Scale. This instrument has been designed and manufactured in the USA.

The Model 6700 Series Neonatal Scale is a solid-state digital scale designed for weighing newborn infants.

The Neonatal Scale features a lb/kg key for metric conversion of the infant's weight. The TARE/ZERO key function subtracts blanket or cover weight on the scale platform allowing the display of infant net weight only. The scale tray incorporates a length measurement scale (in inches) for measuring infant length. Reliable electronic circuitry permits accurate weighing of a moving infant and locks weight on the display (even after removal of the infant) until CLEAR WT key is pressed.

This manual will help to acquaint you with the proper setup, operation, and care of the Model 6700 Series Neonatal Scale. Please read it before attempting to use the scale and keep it handy for future reference.

FEATURES AND SPECIFICATIONS

- Easy-to-read LED weight display
- Displays lb/oz or kg/g by .1 oz: 5 grams
- Six mode indicators: ZERO, lb, kg, NET, oz, gram
- Error displays
- Length measurement scale (inches)

Capacity - 6735 and 6736:30 lb x .1 oz

15 kg x 5 g

Capacity - 6732 and 6733:15 kg x 5 g

Power Requirements -
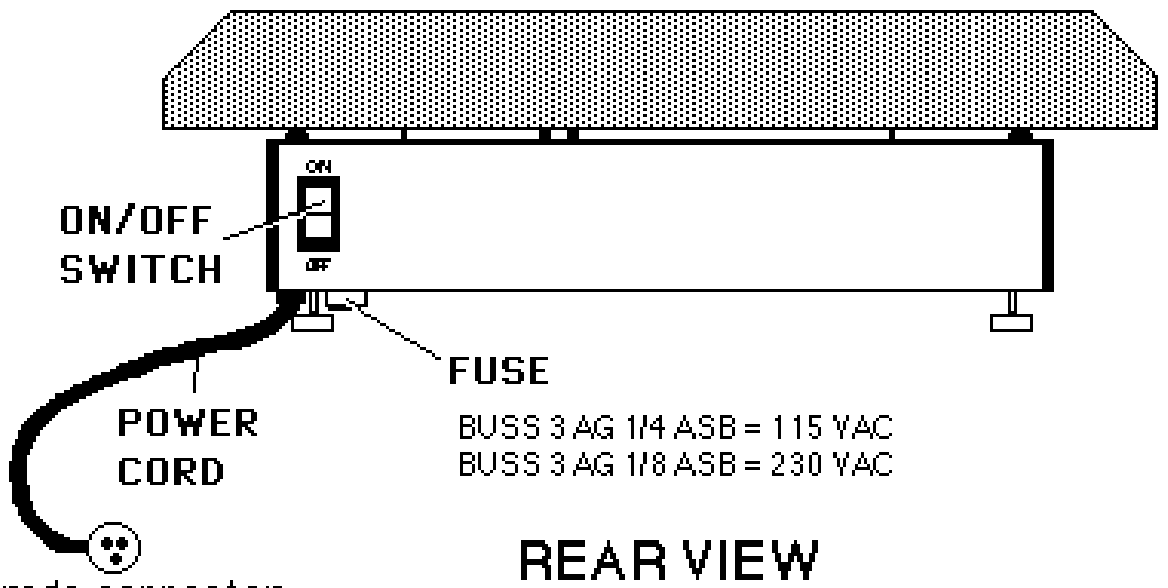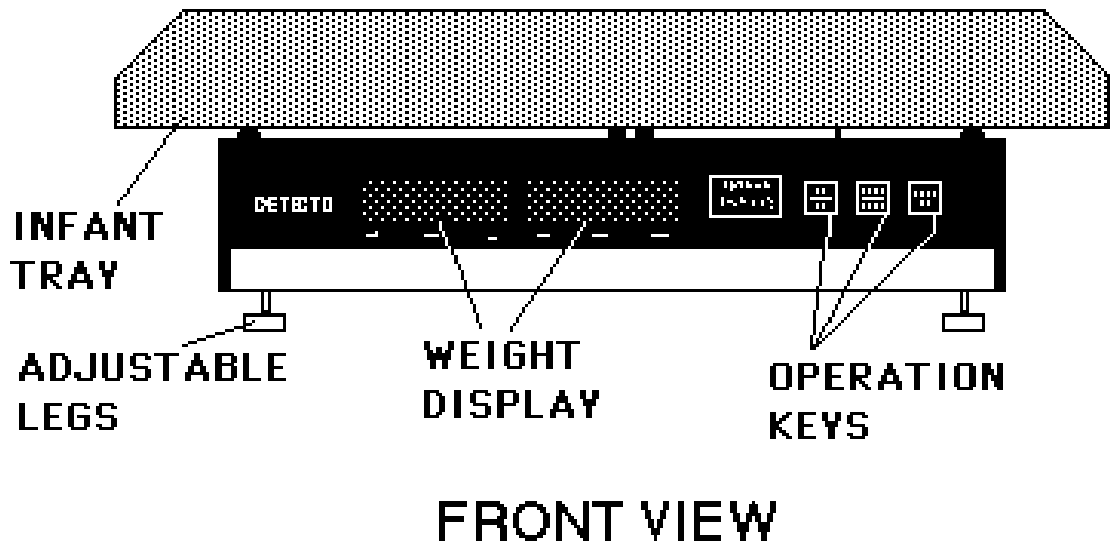 6732 and 6736:   115 VAC, 50/60 Hz, .2 AMP
  6733 and 6736:   230 VAC, 50/60 Hz, .1 AMP

Dimensions: 7"H x 13 1/4"W x 22"L

Weight: 15 lb

COMPONENTS AND CONTROLS

INFANT TRAY

ADJUSTABLE LEGS

DETECTO

WEIGHT DISPLAY

OPERATION KEYS

FRONT VIEW

ON/OFF SWITCH

ON

OFF

POWER CORD

FUSE

BUSS 3 AG 1/4 ASB = 115 VAC
BUSS 3 AG 1/8 ASB = 230 VAC

REAR VIEW

Hospital Grade connector
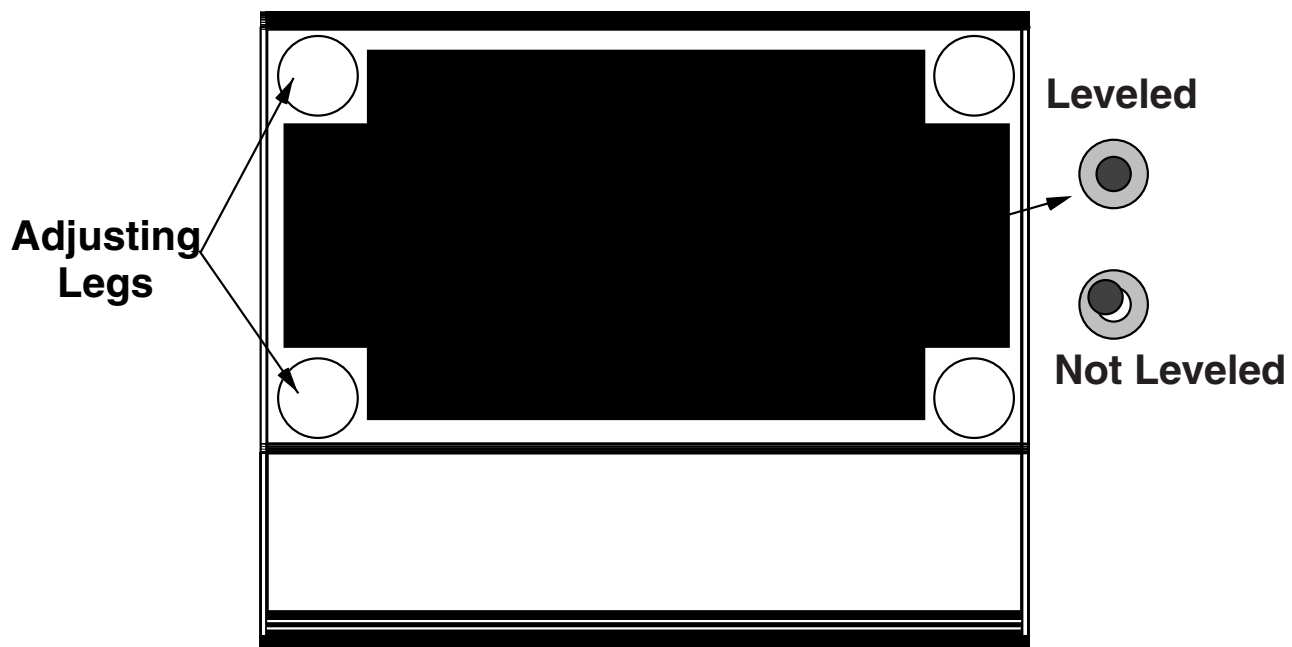for 115 VAC connectors only

2

INSTALLATION

1. Unpack scale and infant tray and note any discrepancies in its condition. Keep carton and packing for return shipment of instrument if necessary.

2. Place scale on a stable, vibration-free location away from direct sunlight and away from any rapidly moving air source. Make certain power cord is stored out of the way of normal traffic.

⚠ Do not place scale on any unstable cart, stand, or table. The scale may fall, causing injury to an infant or adult and seriously damage the unit; or proper operation of the scale may be inhibited.
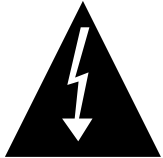
3. Before mounting infant tray onto scale, if necessary, level scale by adjusting the four legs on bottom of scale, up or down, until the bubble in the level gage, located on the weigh bridge, is centered as shown in illustration below. After level is achieved, lock legs in place by tightening lock nuts on legs against scale bottom.

Adjusting Legs

Leveled

Not Leveled

4. Place infant tray on scale with inch measure on tray facing operator. Align screw holes and secure tray to weigh bridge using the two nylon screws provided. Do not overtighten the nylon screws. Make certain infant tray is not touching any surrounding material or objects.

POWER SUPPLY

1. Plug power cord into a fully grounded, 3-pronged wall receptacle that supplies 115 VAC power. If an extension cord must be used, it should be a 3-wire, fully grounded type.

2. If a 2-pronged wall receptacle is encountered, it is the responsibility of the customer to contact a qualified electrician to replace the 2-pronged receptacle with a properly grounded 3-pronged wall receptacle or have a grounding adapter properly installed in the 2-pronged receptacle.

To avoid electrical hazard, DO NOT, under any conditions, cut, remove, or bypass the power cord grounding prong!

3. On Models requiring 230 VAC power, it is the responsibility of the customer to have a qualified electrician install the proper power cord plug which conforms to national electrical codes and local codes and ordinances.
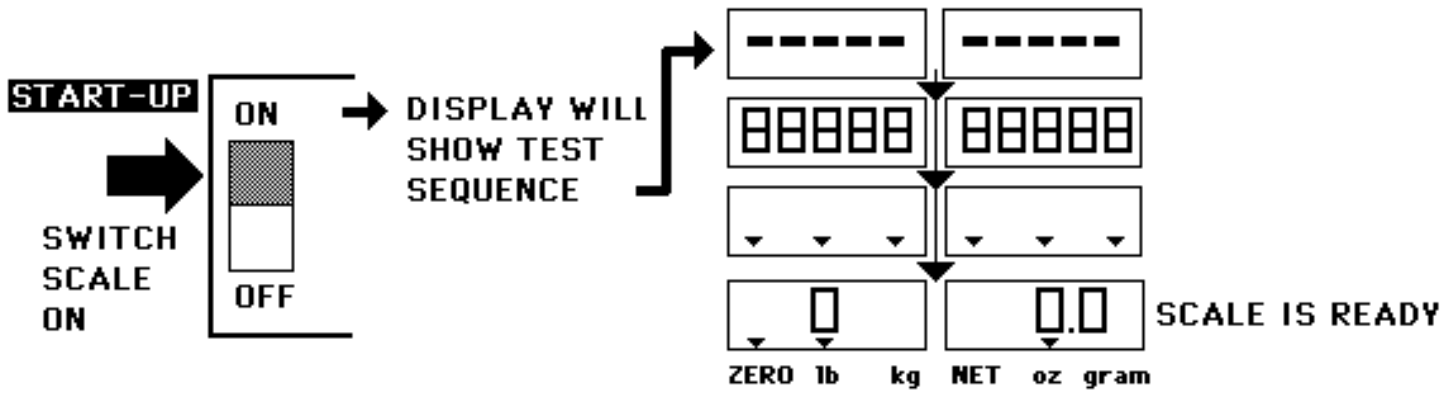
START-UP

1. Switch power ON. Power switch is located on right end of backside of scale.

2. When switched on, scale will perform a brief test routine shown on all displays. When scale is ready for use, the display will show zero.
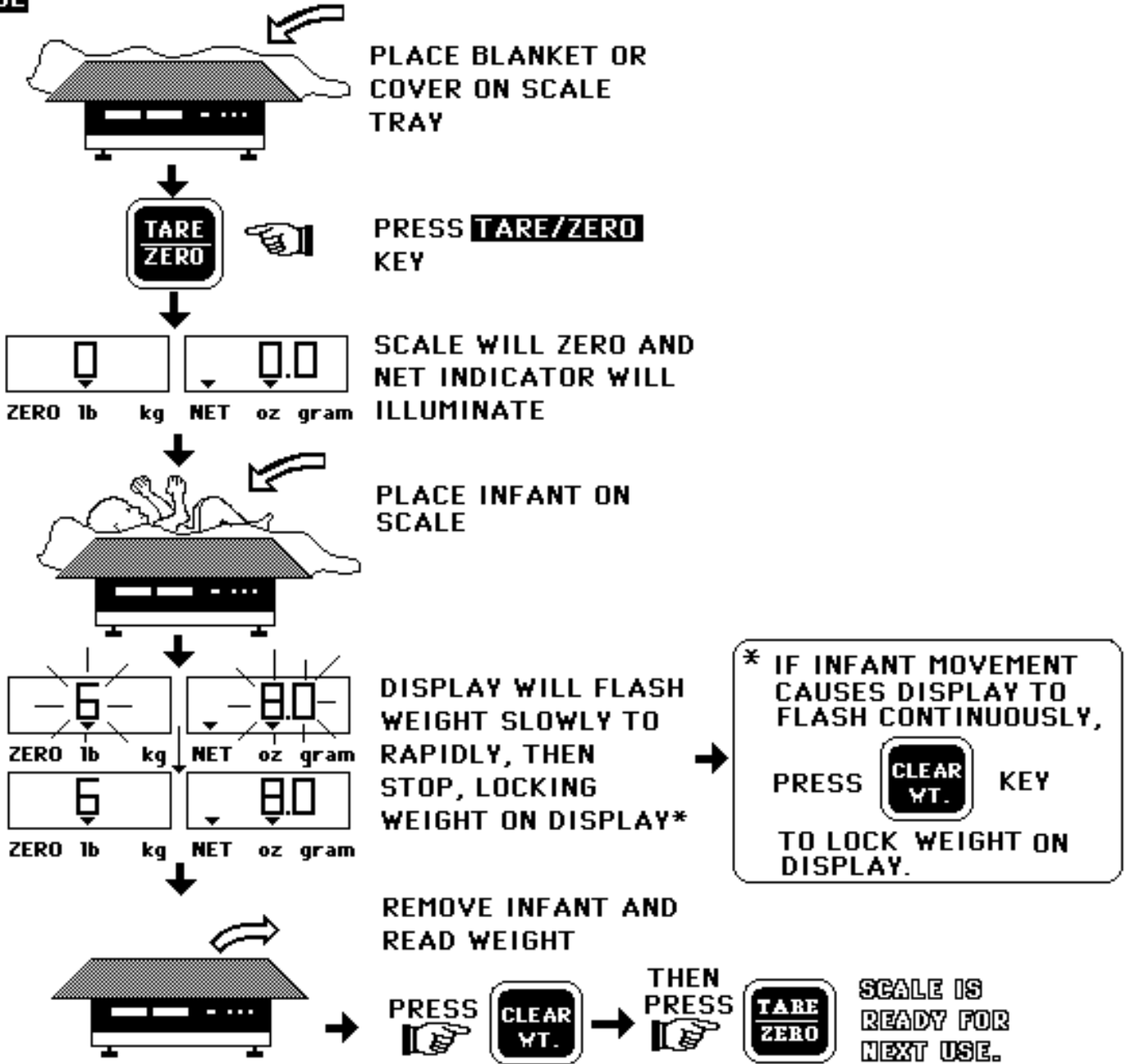
KEYBOARD FUNCTIONS

lb/kg*   lb/kg key allows scale to measure in pounds/ounces or kilograms/ grams. Pressing lb/kg key after scale locks weight on display converts lb/oz to kg/g and conversely. Appropriate indicators illuminate.

TARE/ZERO   TARE/ZERO subtracts tare weight, zeros scale, and displays NET weight. With scale unloaded, press TARE/ZERO key to reset scale to zero.

CLEAR WT.   CLEAR WT. key clears locked weight from display. If infant movement causes display to continuously flash during weighing operation, press CLEAR WT. to lock weight on display

* Does not apply to Models 6732 and 6733.

OPERATION

START-UP

SWITCH SCALE ON → [ON/OFF switch] → DISPLAY WILL SHOW TEST SEQUENCE

ZERO lb   kg   NET   oz   gram

SCALE IS READY

USE

PLACE BLANKET OR COVER ON SCALE TRAY

↓

PRESS **TARE/ZERO** KEY

↓

SCALE WILL ZERO AND NET INDICATOR WILL ILLUMINATE

ZERO lb   kg   NET   oz   gram

↓

PLACE INFANT ON SCALE

↓

DISPLAY WILL FLASH WEIGHT SLOWLY TO RAPIDLY, THEN STOP, LOCKING WEIGHT ON DISPLAY*

ZERO lb   kg   NET   oz   gram

* IF INFANT MOVEMENT CAUSES DISPLAY TO FLASH CONTINUOUSLY, PRESS **CLEAR WT.** KEY TO LOCK WEIGHT ON DISPLAY.

↓

REMOVE INFANT AND READ WEIGHT

PRESS **CLEAR WT.** → THEN PRESS **TARE ZERO** → SCALE IS READY FOR NEXT USE.

OPERATING INSTRUCTIONS

1.   Place blanket or covering on tray.

2.   Press TARE/ZERO key.

3.   Place infant on scale.

4.   Read weight when display stops flashing. If infant movement causes display to continuously flash, press CLEAR WT. key to lock weight on display.

5.   Remove infant and blanket covering from tray.

6.   Press CLEAR WT. key.

7.   Press TARE/ZERO key.

8.   Scale is ready for next use.

CARE AND MAINTENANCE

1.   DO NOT subject the infant tray to sudden shocks.

2.   DO NOT press the keys too hard. Only a light touch is necessary. Keys must be activated only by your finger. DO NOT use a sharp object.

3.   DO NOT submerge the scale in water or spray water directly on the scale. Clean the cover and infant tray with a damp cloth and mild detergent. DO NOT use abrasives.

4.   DO NOT use acetone or other volatile solvents for cleaning.

5.   DO NOT autoclave the infant tray.

6.   If a fuse must be replaced, use only a BUSS 3AG 1/4 ASB type for 115 VAC; BUSS 3AG 1/8 ASB type for 230 VAC. Always unplug the power cord before removing or replacing fuse. Fuse is located on right rear underside of scale.

ERROR AND FAIL MESSAGES

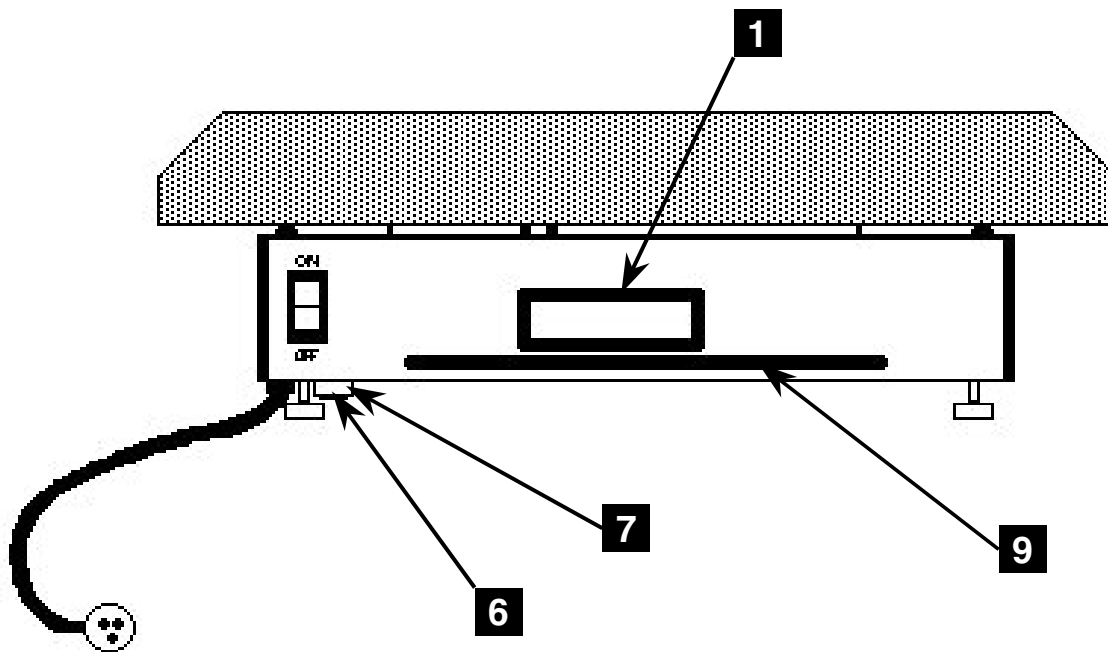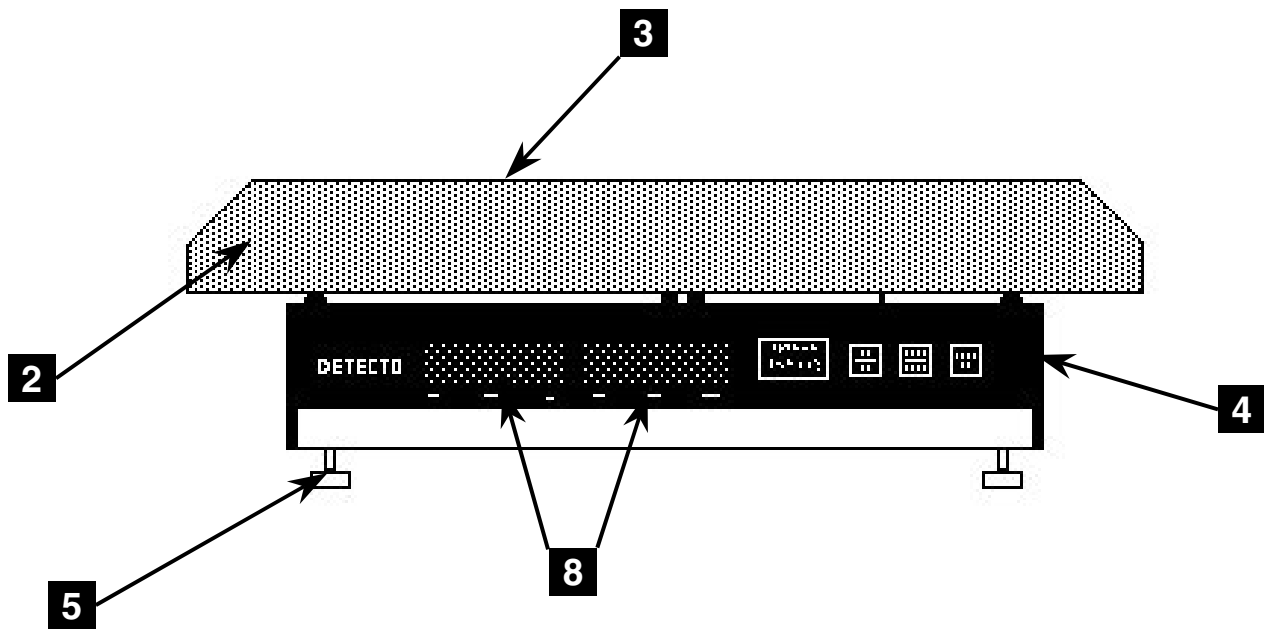|	
FAIL A	This message indicates a bad electrical component requiring technical service.
UnStb	This message occurs when the infant platform is persistently unstable upon turning on scale.
LOD	This condition occurs when turning on scale without the infant tray on the scale.
UnLOD	This message appears when turning on scale with some weight on the infant tray. Remove weight
-OL-	Indicates scale capacity has been exceeded.
-Lo-	Indicates gross weight is less than 0.

BEFORE YOU CALL FOR SERVICE

Customer satisfaction is our prime objective. If, however, any problems occur in connection with the operation of this scale, please check the following points before calling for service:

1.   Is the power cord fully inserted into the wall receptacle?

2.   Is the power switch turned on?

3.   Is the wall receptacle receiving proper AC power?

4.   Check the circuit breaker.

5.   Has there been a power failure of any kind?

6.   Has proper operation procedure been followed?

If you have any problems, DO NOT TRY TO REPAIR THE SCALE YOURSELF! Unplug the power cord and contact your Detecto dealer.

SPARE PARTS IDENTIFICATION

Item No.	Part No.	Description
1	2950-C014-4A	LOAD CELL & CONNECTOR ASSEMBLY (SP-50L)
2	427XR1346	BABY TRAY
3	427R1348	RULER FOR BABY SCALE
4	442R137	KEYPAD: 6735 BABY SCALE
5	6540-1011	LEVELER SCREW, 1/4-20x1" LONG, S.S.
6	6610-4019	FUSE 1/4 ASB 3AG-1/4 ASB
7	6610-4046	FUSE HOLDER PANEL MOUNT KNOB TYPE
8	8535-D200-0A	PCB ASSEMBLY 673X - LED DISPLAY
9	8535-D201-0A	PCB ASSEMBLY – 6732/6735 CONTROLLER

DESIGNED & MANUFACTURED IN U.S.A.