



**DIGITAL PHYSICIAN
Waist-High Scale
Model 6127 Series, 6129 Series
and
Eye-Level Scale
Models 6337 and 6339
Operating Instructions**



8525-M310-O1 Rev C
10/12

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Printed in USA

DIGITAL PHYSICIAN WAIST-HIGH / EYE-LEVEL SCALE

Thank you for your purchase of our Detecto Digital Physician Waist-High or Detecto Digital Physician Eye-Level scale. It has been manufactured with quality and reliability at our factory in Webb City, MO USA. Your scale has been tested before leaving our factory to insure accuracy and dependability for years to come.

This manual will guide you through assembly, installation, and operation of your scale. Please read it thoroughly before attempting to use your scale and keep it handy for future reference.

FCC COMPLIANCE STATEMENT

WARNING! This equipment generates uses and can radiate radio frequency and if not installed and used in accordance with the instruction 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 may cause interference in which case the user will be responsible to take whatever measures necessary to correct the interference.

You may find the booklet "How to Identify and Resolve Radio TV Interference Problems" prepared by the Federal Communications Commission helpful. It is available from the U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 001-000-00315-4.

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	Waist-High	Eye-Level
Capacity	550 lb x .2 lb (250 kg x .1 kg), selectable	550 lb x .2 lb (250 kg x .1 kg), selectable
Platform Size	10 5/8" x 14 1/2" (270 mm x 368 mm)	10 5/8" x 14 1/2" (270 mm x 368 mm)
Dimensions	10 7/8" W x 20 7/8" D x 37 7/8" H (276 mm x 530 mm x 962 mm)	10 7/8" W x 20 7/8" D x 57 1/2" H (276 mm x 530 mm x 1461 mm)
Shipping Weight	34 lb (15.4 kg)	36 lb (16.3 kg)
Scale Height	37 1/2" (953 mm)	57 1/8" (1451 mm)
Height Rod Measures	6129, 6129KG, 6339 - 30" to 78" (76 cm to 200 cm) x inch/cm 6129KGM - 30" to 78" (76 cm to 200 cm) by 1/4"/1mm	
Display	Six digit, Seven segment, 0.7 inch (17.8 mm) high LCD	
Power	6 "AA" size Alkaline, Ni-Cad or NiMH batteries (<i>not included</i>) OR an optional 100 to 240 VAC 50/60Hz 12 VDC 1A wall plug-in UL/CSA listed AC power adapter (Cardinal part number 6800-1045).	
Keyboard	Membrane type with 5 keys and 4 directional arrows	

Serial Number _____
 Date of Purchase _____
 Purchased Form _____


 RETAIN THIS INFORMATION FOR FUTURE USE

PRECAUTIONS

Before using this instrument, read this manual and pay special attention to all "WARNING" symbols:



IMPORTANT



ELECTRICAL WARNING

UNPACKING INSTRUCTIONS

- Remove scale from carton by lifting up with equal force from column and platform base.
- Check for any damage incurred in shipping. If scale has been damaged, place a claim with the carrier. Use the original carton and shipping material to return the scale.
- Remove all plastic wrapping, foam fillers and cardboard material from the scale.
- Remove and unpack the power supply and cord, if the scale was ordered with this option.
- Carton contents:
 - 1) Column
 - 2) Indicator
 - 3) Platform base
 - 4) Screws and lock washers
 - 5) Height measuring rod - optional

NOTE! If column bracket is bent, straighten before assembling.

ASSEMBLY INSTRUCTIONS

Refer to Figures No. 1, 2, 3, and 4, then follow the instructions for scale assembly.

1. Carefully remove load cell and draft rod assembly from column.

IMPORTANT! Handle load cell assembly with care! Do not drop, bend or twist.

2. Slip column over column bracket on platform base. Screw column to column brackets (two 1/4 truss head screws in front of column and four in the back). See Figure No. 1.
3. Referring to Figure No. 2, remove both #10-32 Truss Head Screws and lock washers securing the indicator bracket to the column.
4. Lower load cell and draft rod assembly into column. Draft Rod must pass through opening in column bracket. Referring to Figure No 1, make sure open end of lower draft rod hook is facing forward toward platform.
5. Next, referring to Figure No. 3, fasten top hook bolt of load cell assembly (C) to column. Make sure the load cell assembly does not touch the sides of column.
6. Slide grommet away from load cell assembly and slide into slot on column. **NOTE!** The slot should be on back (wide side) of column.
7. Pull excess load cell cable in column leaving enough slack in cable so as not to have any side pull on load cell.
8. Place digital indicator bracket on column and attach with 2 (#10-32) truss head screws and lock washers removed in step 3. See Figure No. 2.
9. Using a desk or table, lay down scale with column horizontal to floor. Raise draft rod keeping out of lever's way. Push lever. When lever is in position, hook draft rod around pivot. See Figure No. 4.
10. Attach indicator to indicator bracket on column, then connect load cell cable to back of indicator. Refer to the 750 Weight Indicator Owner's Manual (8555-M483-O1) for additional information.
11. Scale is now ready for operation.

ASSEMBLY INSTRUCTIONS, CONT.

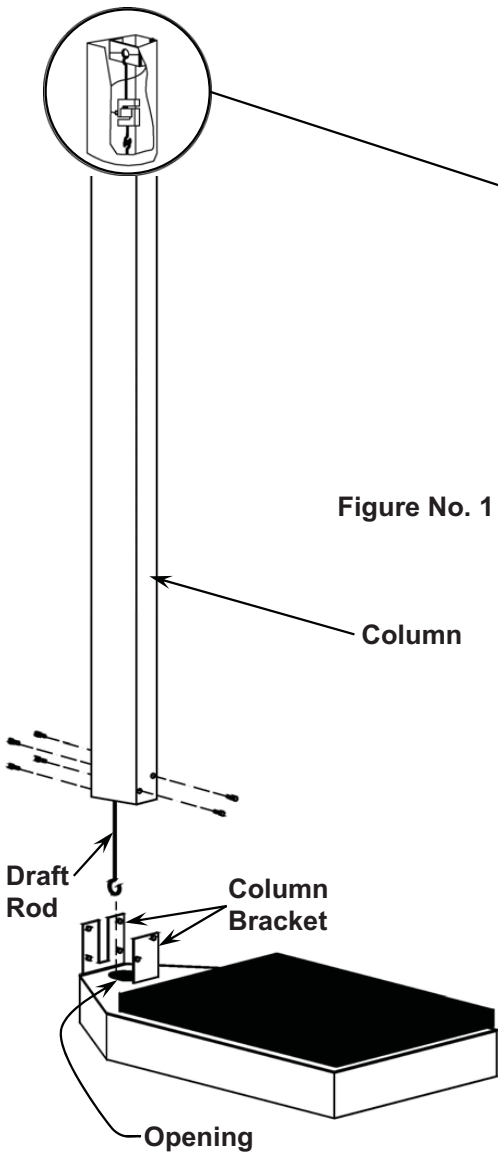


Figure No. 1

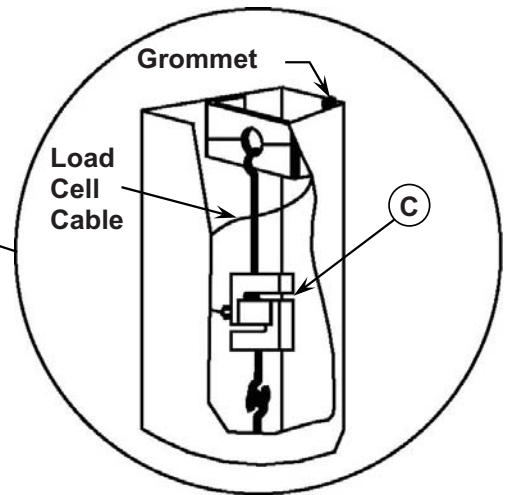


Figure No. 3

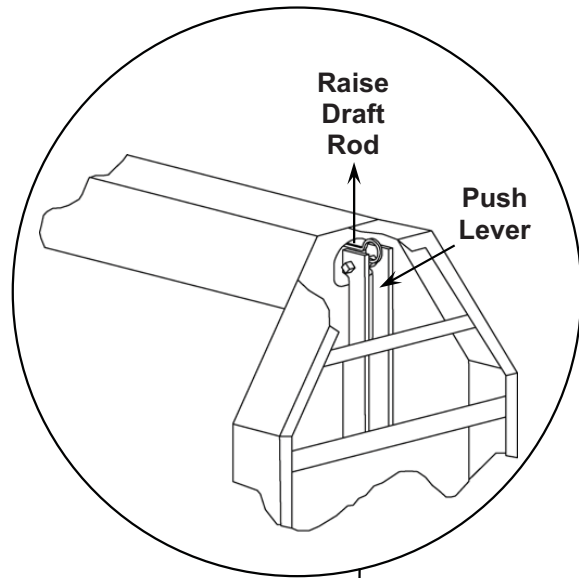


Figure No. 4

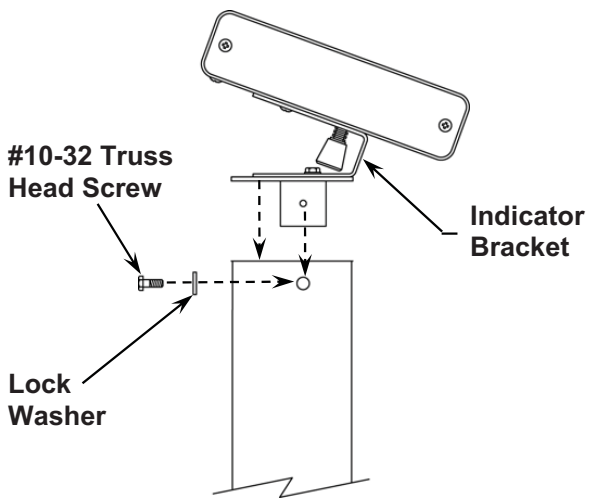
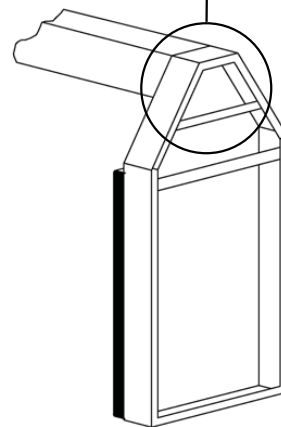


Figure No. 2



OPERATION




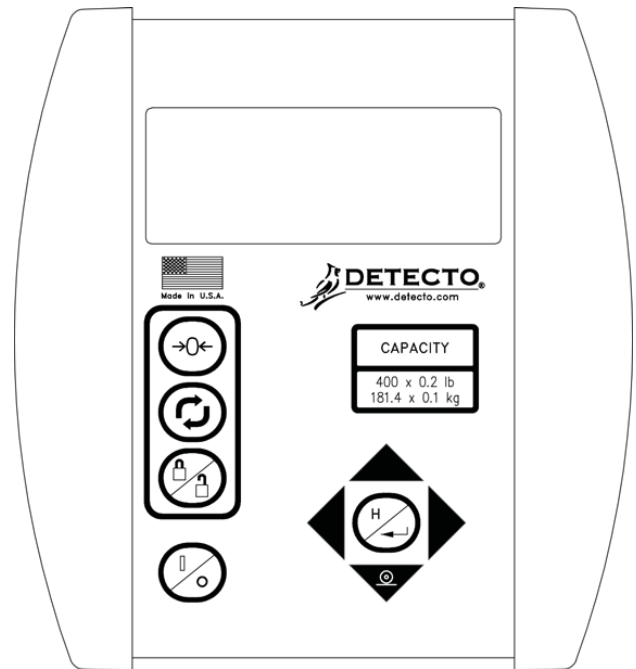
DO NOT operate the keypad with pointed objects (pencils, pens, etc).
Damage to keypad resulting from this practice is **NOT** covered under warranty.

To Weigh

1. Set scale on any hard, level, flat surface or low-cut carpet.
2. Press **ON/OFF** key to turn on indicator.
3. Press **ZERO** key to zero weight display. The ZERO and lb or kg annunciator will turn on to show that scale is ready for use.
4. Place patient on scale and read weight display.
5. Remove patient from scale.

Zero Weight Display

1. If the indicator is not showing zero weight on the display, press **ZERO** key.
2. Weight display will return to zero. ZERO, STABLE  and lb or kg annunciators will turn on to show a stable, center-of-zero weight condition.













750 Keypad

Metric Conversion

Press **UNITS** key to toggle between pounds and kilograms. Note that lb or kg annunciator will turn on to show which weighing unit is active.

To Weigh and Calculate BMI

1. Press **ON/OFF** key to turn on indicator.
2. Press **ZERO** key to zero weight display. The ZERO and lb or kg annunciator will turn on to show that scale is ready for use.
3. Place patient on scale and read weight display.
4. Press **BMI / ENTER** key.
5. If pounds is the active weighing unit, display will change to show 5 FEET, 6 INCHES with the 6 blinking. *(The blinking character is the position to be changed).*
 - a. Press  or  keys until desired height in inches is displayed and then press  or  key to move the blinking character to FEET.
 - b. Press  or  keys until desired height in feet is displayed.
 - c. Proceed to Step 7.
6. If kilograms is the active weighing unit, display will change to show 170 cm. with the 0 of 170 blinking. *(The blinking character is the position to be changed).*
 - a. Press  or  keys until the desired number is displayed.
 - b. Press  or  key to move to next character to change.
 - c. Repeat steps A and B until the desired height in centimeters is displayed.
 - d. Proceed to Step 7.
7. Press **BMI / ENTER** key.
8. Read BMI on display.
9. Remove patient from scale.
10. Press **BMI / ENTER** key to return to weighing operation.

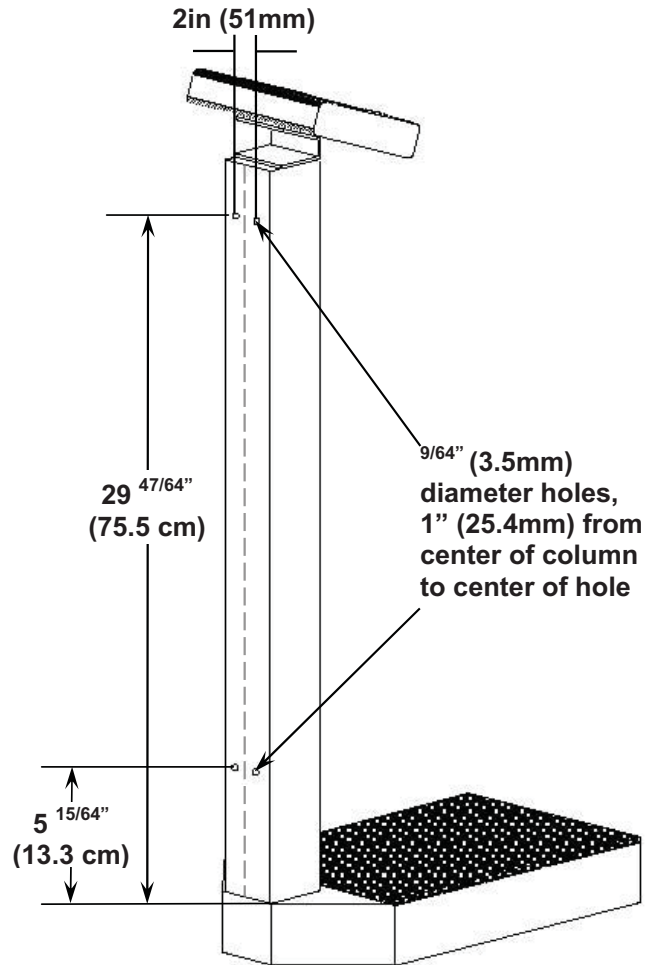
HEIGHT ROD INSTRUCTIONS

Height Rod Hole Location

Please check the Height Rod hole locations before installing the Height Rod.

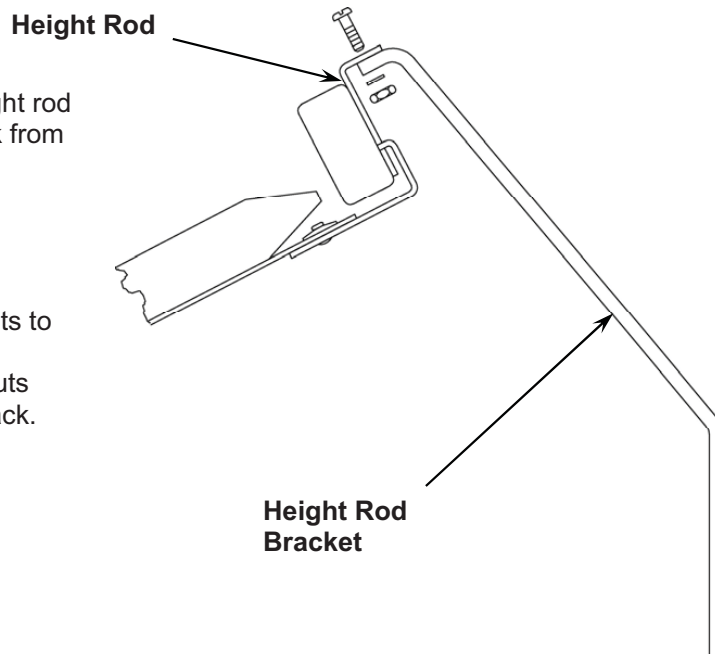
- Some models may require holes to be drilled.
- Please follow the measurements for drilling holes if necessary.
- After holes have been drilled, please follow installation instructions.

IMPORTANT!
Measure from bottom of column,
not floor or scale base.



Height Rod Installation

1. Remove the height rod, height rod brackets and hardware pack from the cardboard insert.
2. Attach the height rod brackets to the height rod using the four screws, lock washers and nuts enclosed in the hardware pack. Tighten all four screws.

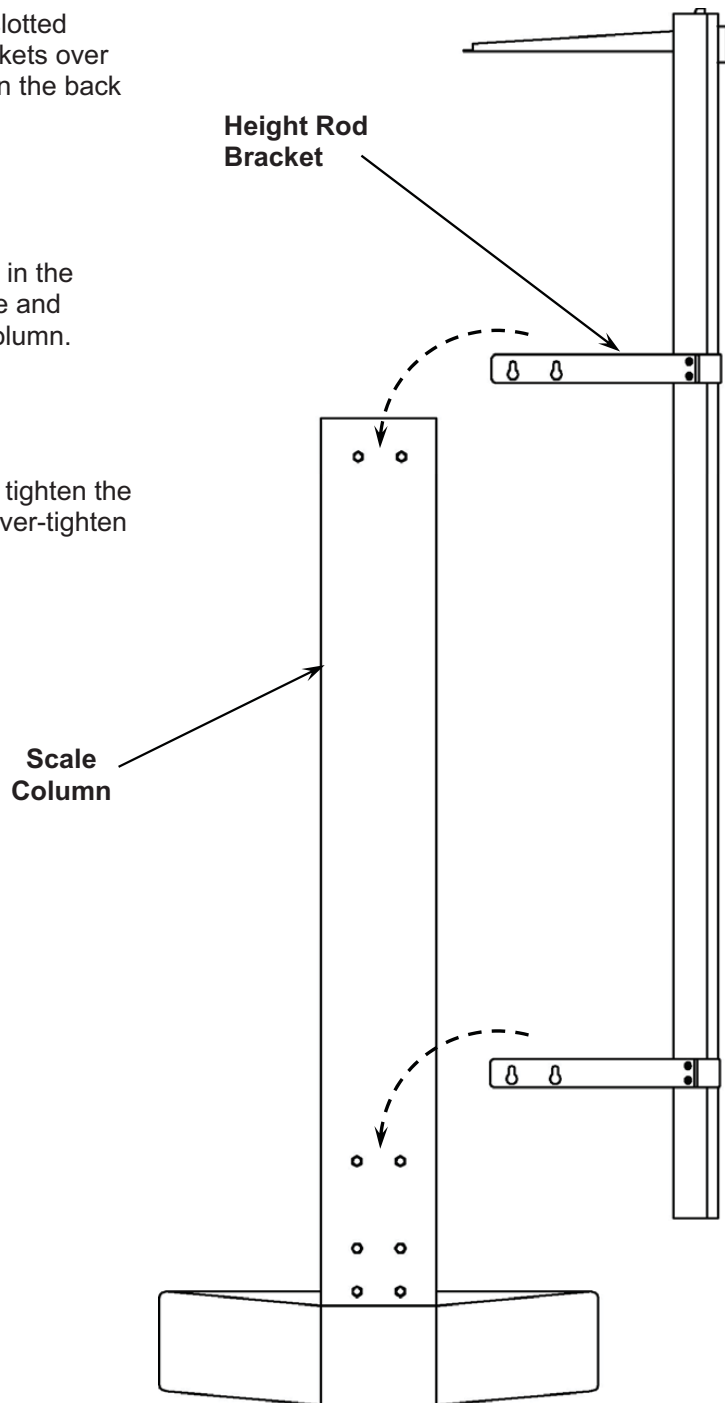


HEIGHT ROD INSTRUCTIONS, CONT.

3. Place the large end of the slotted holes in the height rod brackets over the four hex head screws on the back of the column.

4. Pull down to set the screws in the small end of the slotted hole and secure the bracket to the column.

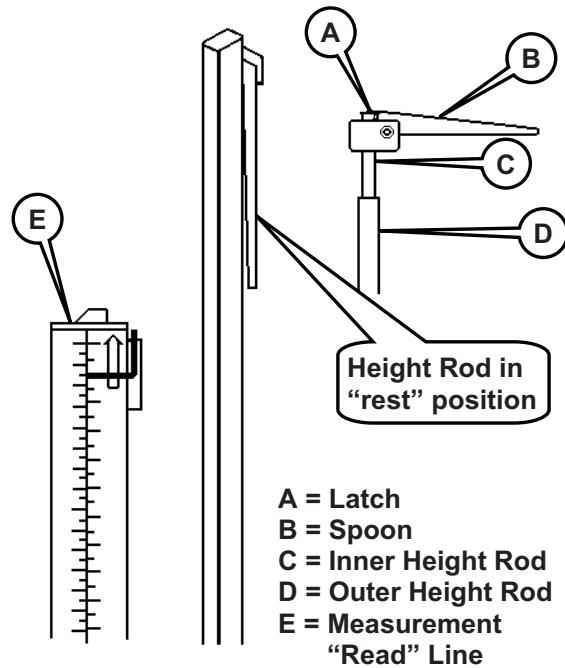
5. Use the included wrench to tighten the hex head screws. Do not over-tighten the screws.



HEIGHT ROD INSTRUCTIONS, CONT.

Operation

1. Before patient steps onto scale platform, spoon should be rotated to horizontal position, and raised well above patient's apparent height.
2. Patient may now step onto scale platform. Spoon should be held horizontal and above patient's head.
3. Carefully lower spoon, keeping it horizontal, until it rests gently on top of patient's head. If patient is shorter than 3' 4" (101.5 cm), push latch to right while simultaneously pushing down on spoon, until the spoon rests horizontally on top of patient's head.
4. Read height of patient as follows:
 - If back of spoon points to outer height rod, then it points to correct height.
 - If back of spoon points to inner height rod, then correct height is read at top of outer height rod (see "Read" arrow on outer height rod).
5. While holding spoon horizontally, raise spoon above patient's head. Patient may now step off scale platform. Hold spoon horizontal until patient is clear of height rod.
6. Rotate spoon back to vertical position and adjust height rod back to rest position (i.e. spoon should be locked in place within inner height rod and inner rod should be at its lowest position).



ERROR AND STATUS DISPLAYS

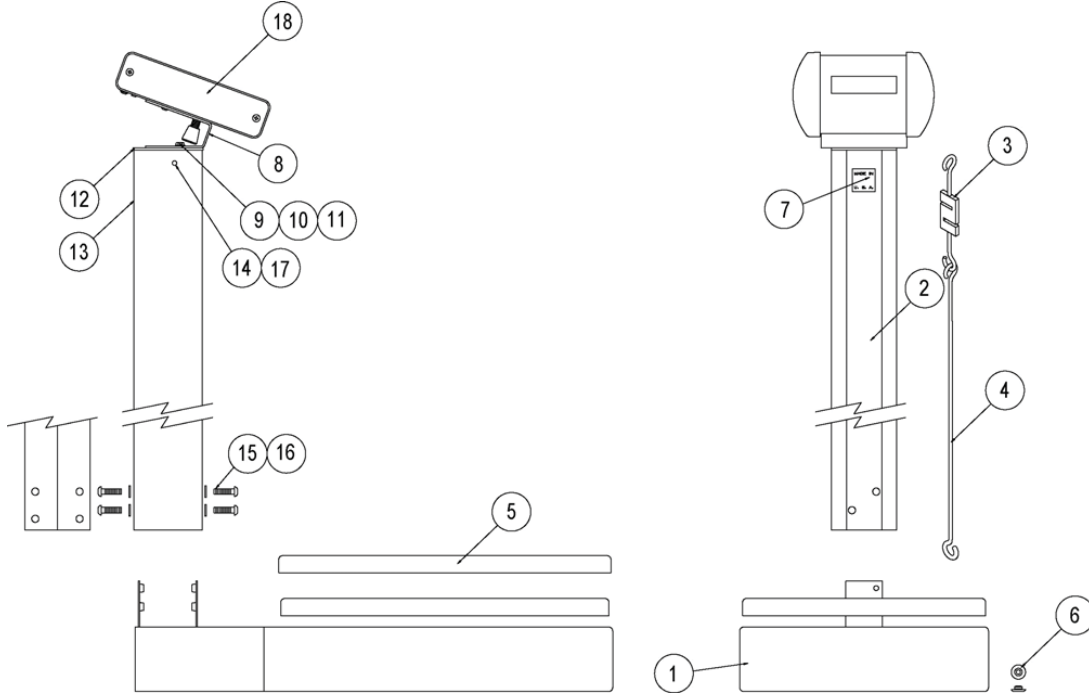
Display	Meaning
-Err-	General error, invalid keypad entry was attempted.
-OF-	Attempting to display a negative number greater than -9,999 or a positive number greater than 99,999.
-tL-	Indicates an attempt to zero a weight outside scale zero range.
-UnS-	Motion is present when indicator is attempting to perform one of the following operations: Power Up Zero or Zero Weight Display.
CALib	Indicates calibration is necessary.
AdErr	} Consult your scale service representative.
ErrAL	
ErrAH	
OCAP	Scale weight exceeds scale capacity.
OFF	Displayed to indicate indicator is turning off.

CARE AND CLEANING OF SCALE

- **DO NOT** subject the platform to sudden shocks.
- **DO NOT** submerge indicator in water, pour or spray water directly on indicator.
- **DO NOT** use abrasive cleaners on this scale.
- **DO NOT** use acetone or other volatile solvents for cleaning.
- **DO** clean the scale and indicator using a damp soft cloth and mild detergent.
- **DO** avoid areas where the scale might be exposed to moisture.

PARTS IDENTIFICATION

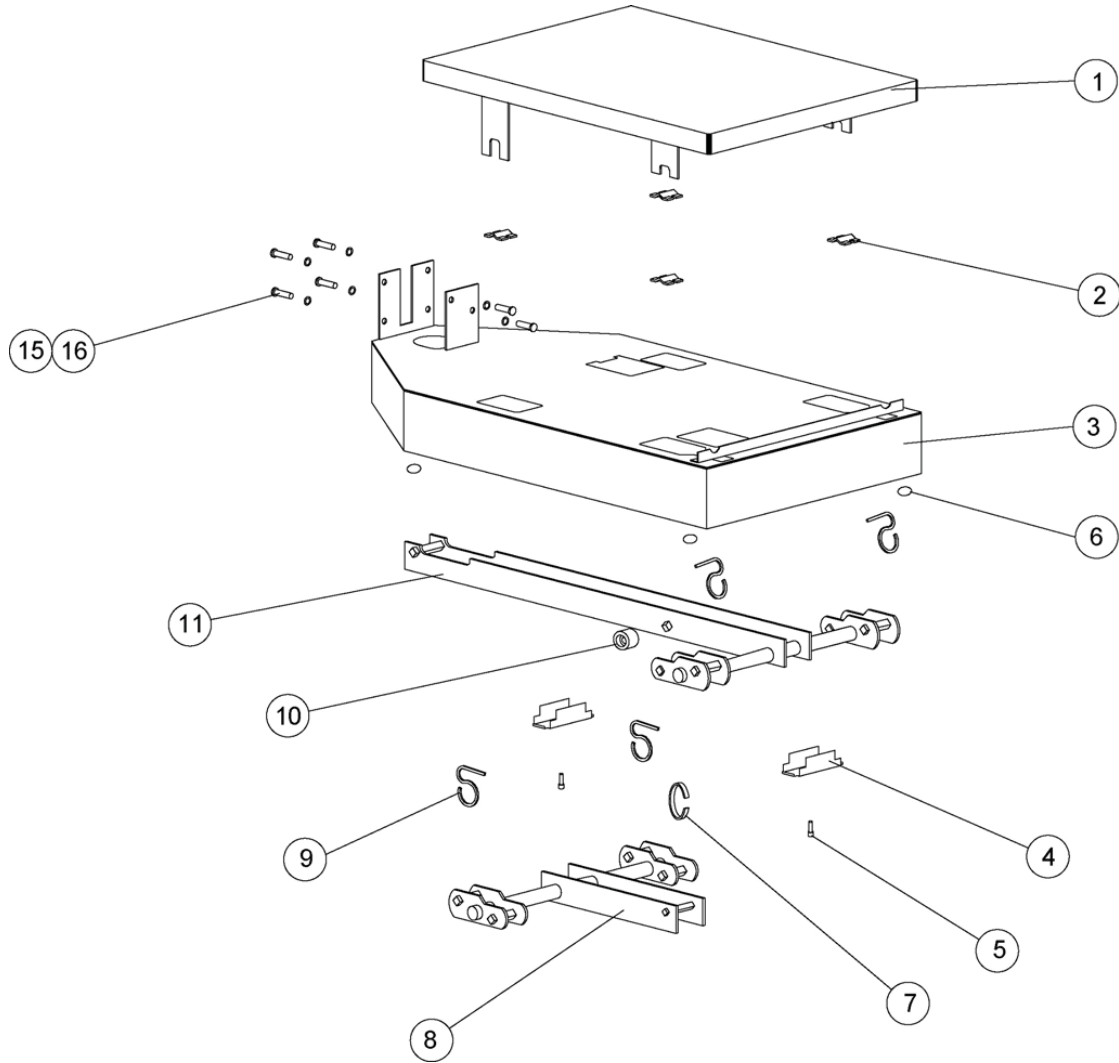
FINAL ASSEMBLY



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	3P1201X-1	BASE ASSEMBLY
2	1	430XG3R800	COLUMN ASSEMBLY FOR 6127(KG), 6129(KG)
	1	0044-C180-1A	COLUMN ASSEMBLY FOR 6337, 6339
3	1	709GR1206	LOAD CELL ASSY
4	1	0033-B254-08	DRAFT ROD FOR 6127(KG), 6129(KG)
	1	0033-B256-08	DRAFT ROD FOR 6337, 6339
5	1	3P8068	PLATFORM COVER
6	4	63K1038	BASE LEG
7	1	6650-0087	LABEL, MADE IN USA
8	1	0033-B438-0A	MOUNTING BRKT
9	1	391RV204	NUT ELASTIC STOP 1/4-20 Z/P
10	1	6021-1454	SCW HEX HEAD 1/4 -20 X 3/4
11	1	6024-0004	WASHER FLAT 1/4
12	1	0033-B104-0A	TOP PLATE ASSY.
13	1	593R986	SERIAL TAG
14	2	6024-0049	WASHER LOCK EXT #10
15	6	6024-0047	WASHER LOCK EXT 1/4
16	6	6021-1423	SCW TRUSS HEAD 1/4-20 X 1/2
17	2	6021-1045	SCW HEX HEAD #10-32 X 1/2 Z/P
18	1	750	DIG. WT. INDICATOR
19*	1	0033-D203-0A	HEIGHT ROD ASSEMBLY, INCH/CM FOR 6129(KG)
20*	1	0033-D475-0A	HEIGHT ROD ASSEMBLY, 1/4"/1mm FOR 6129KGM
21*	1	0033-D063-1A	HEIGHT ROD ASSEMBLY, INCH/CM FOR 6339
22*	1	6800-1045	OPTIONAL AC ADAPTER 100-240VAC/12VDC @ 1A

* NOT SHOWN

PARTS IDENTIFICATION, CONT. BASE ASSEMBLY



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	3P2011X	PLATFORM WELDMENT
2	4	3P2087	PLATFORM LOAD BEARING
3	1	3P1001X	BASE WELDMENT
4	2	3P60	CHECK PLATE
5	2	6021-0985	HEX WASHER HD SCW #10 X 1/2
6	4	63K1038	BASE LEG
7	1	2U58	UNION CENTER HANGER
8	1	3P8003X	SHORT LEVER ASSEMBLY
9	4	3P8059	UNION HANGER
10	1	3P122	BUMPER
11	1	3P8002X	LONG LEVER ASSEMBLY
15	6	6024-0047	WASHER LOCK EXT 1/4
16	6	6021-1423	SCW TRUSS HEAD 1/4-20 X 1/2

STATEMENT OF LIMITED WARRANTY

Detecto Scale warrants its equipment to be free from defects in material and workmanship as follows: Detecto warrants to the original purchaser only that it will repair or replace any part of equipment which is defective in material or workmanship for a period of one **(1) year** from date of shipment. Detecto shall be the sole judge of what constitutes a defect.

During the **first ninety (90) days** Detecto may choose to supply all necessary replacement parts and service during normal weekday working hours at no charge to the buyer.

After the first ninety (90) days Detecto will supply parts and service at the job site provided the owner agrees to pay the Dealer for all travel time, including mileage and test equipment, as well as any expenses incurred over the direct labor of the technician at the job site. This limited warranty honors only labor performed by Detecto authorized dealers.

This warranty does not apply to peripheral equipment not manufactured by Detecto; this equipment will be covered by certain manufacturer's warranty only.

This warranty does not include replacement of expendable or consumable parts. This does not apply to any item which has deteriorated or damaged due to wear, accident, misuse, abuse, improper line voltage, overloading, theft, lightning, fire, water or acts of God, or due to extended storage or exposure while in purchaser's possession. This warranty does not apply to maintenance service. Purchased parts will have a ninety (90) day repair or replacement warranty only.

Detecto may require components be returned to the factory; they must be properly packed and shipping charges prepaid. A return authorization number must be obtained for all returns and marked on the outside of all returned packages. Detecto accepts no responsibility for loss or damage in transit.

STATEMENT OF LIMITED WARRANTY

Conditions Which Void Limited Warranty

This warranty shall not apply to equipment which:

- A.) Has been tampered with, defaced, mishandled or have had repairs and modifications not authorized by Detecto.
- B.) Has had serial number altered, defaced, or removed.
- C.) Has not been grounded according to Detecto's recommended procedure.

Freight Carrier Damage

Claims for equipment damaged in transit must be referred to the freight carrier in accordance with freight carrier regulations.

This warranty sets forth the extent of our liability for breach of any warranty or deficiency in connection with the sale or use of the product. Detecto will not be liable for consequential damages of any nature, including but not limited to, loss of profit, delays or expenses, whether based on tort or contract. Detecto reserves the right to incorporate improvements in material and design without notice and is not obligated to incorporate improvements in equipment previously manufactured.

The foregoing is in lieu of all other warranties, express or implied including any warranty that extends beyond the description of the product including any warranty of merchantability or fitness for a particular purpose. This warranty covers only those Detecto products installed in the forty-eight (48) contiguous continental United States.



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