

05/2020

AVAWEIGH

COMMERCIAL SCALES

USER MANUAL



Eye Level Mechanical Physicians Scale w/ Height Rod

334MSB440

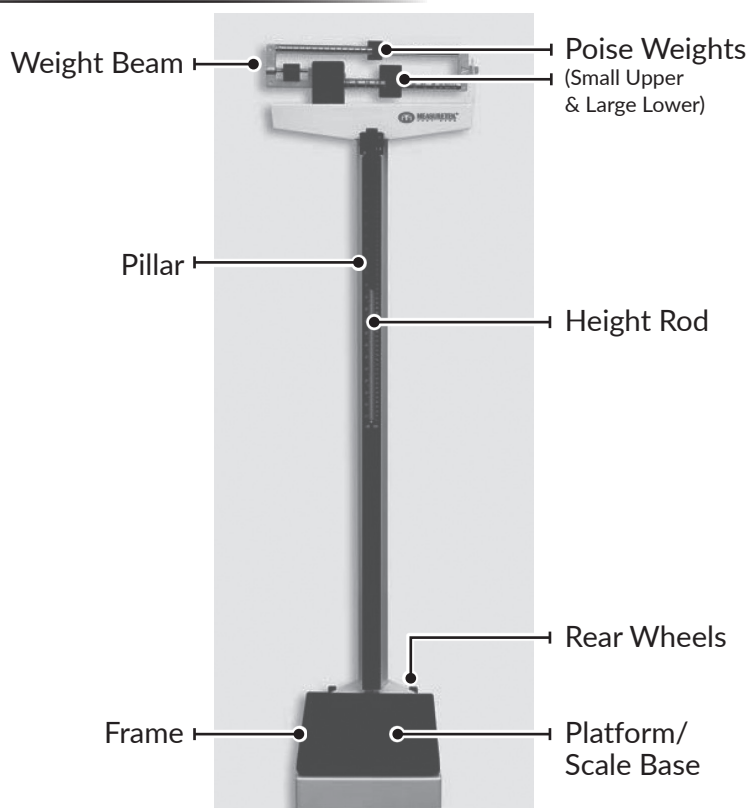
440 lb.

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GENERAL INFORMATION

- This Mechanical Physician Scale is ideal for use in health clinics and medical practices for height and weight measurement.
- The scale is durable, having a sturdy enameled steel body, removable slip-resistant plastic cover, a retractable aluminum height rod, and rear wheels.



SPECIFICATIONS

	334MSB440
MAXIMUM CAPACITY	440 lb. / 200kg
WEIGHT GRADUATION	0.25 lb. / 0.1kg
HEIGHT MEASUREMENT RANGE	24-85" / 50-212cm
HEIGHT GRADUATION	0.125" / 0.1cm
PLATFORM SIZE	14.75" x 10.75"
TOWER HEIGHT	58.4"

UNPACKING & SETUP

PACKING LIST

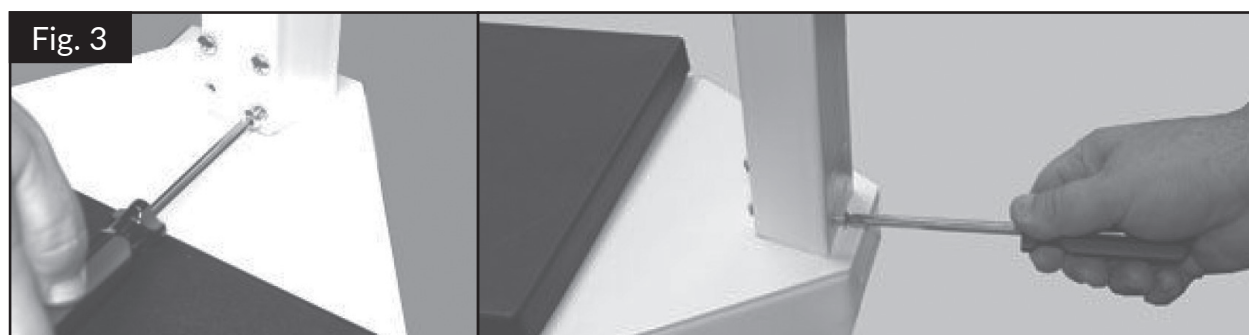
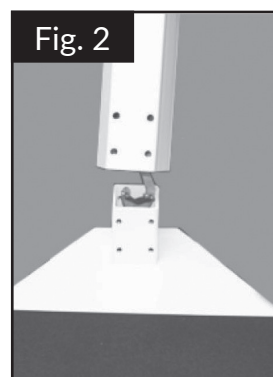
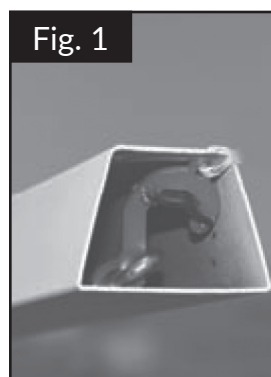
- Pillar
- Steel Connection Rod
- Height Rod
- Wheels

TOOLS REQUIRED

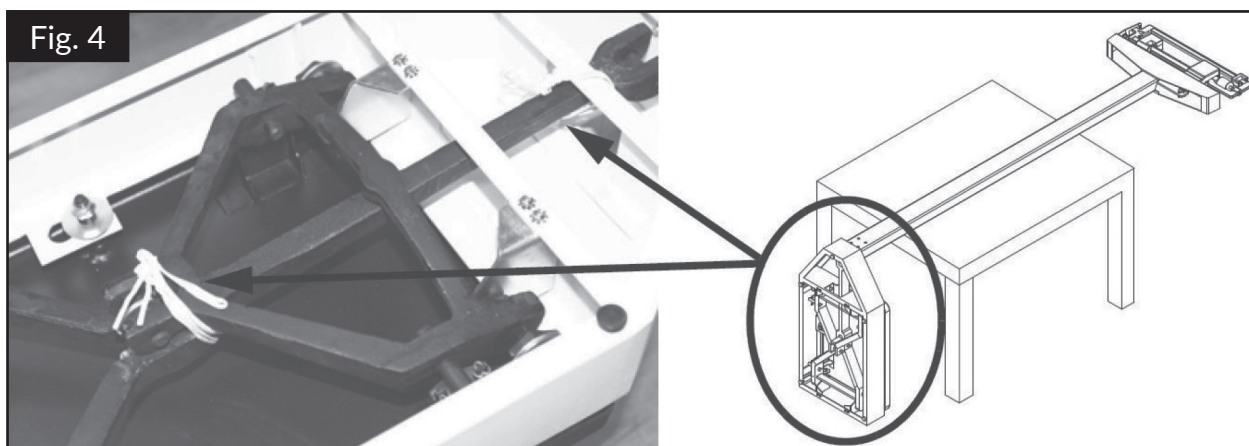
- Philips Head Screwdriver (Not Supplied)
- Wrench (Included)

INSTALLATION PROCEDURE

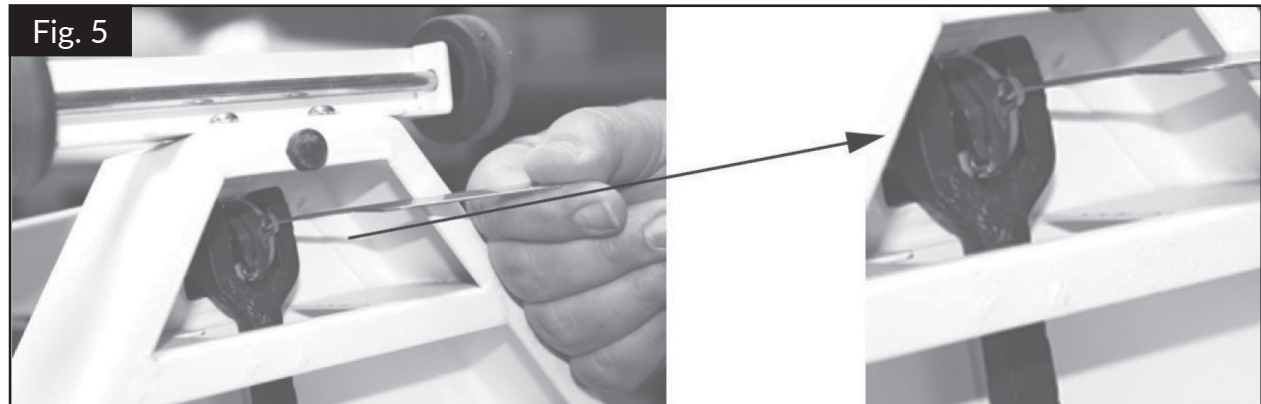
1. Set the scale base on a table or other assembly area free from traffic and obstructions.
2. Remove the tie that secures the steel rod during transit (shown in Fig. 1).
3. Insert the pillar into the scale base (shown in Fig. 2), ensuring that the AVAWEIGH logo on the weight beam faces the scale base.
4. Using a Phillips screwdriver, screw in the eight bolts and washers to secure the pillar to scale base as shown in Fig. 3.



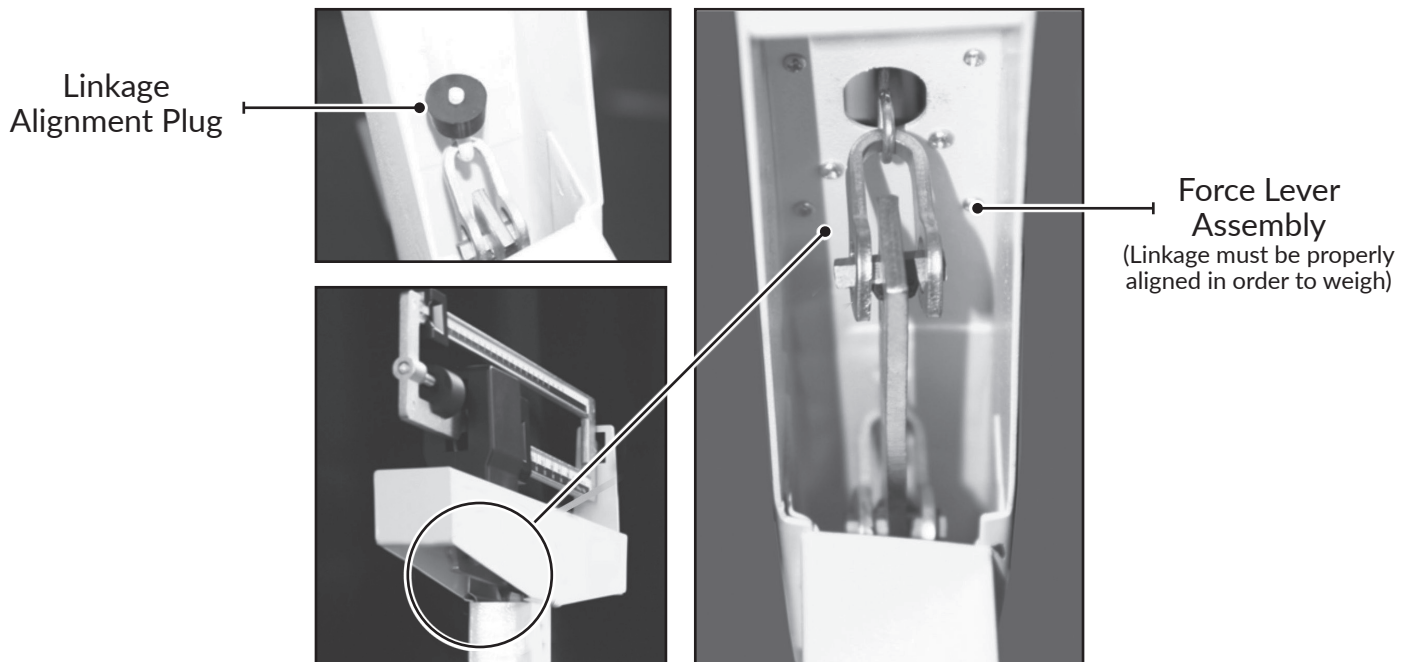
5. Lay the scale on a table. Remove and discard the shipping tie wrap wires on the underside of the scale carriage as shown in Fig. 4.



6. Insert the wrench (included) into the small hole in front of the steel rod and pull the rod hook with the wrench to connect it to the scale base as shown in Fig. 5. The steel rod is located inside the scale pillar. Once the pillar is attached to the scale base, the steel rod must be attached to the bottom of the scale.



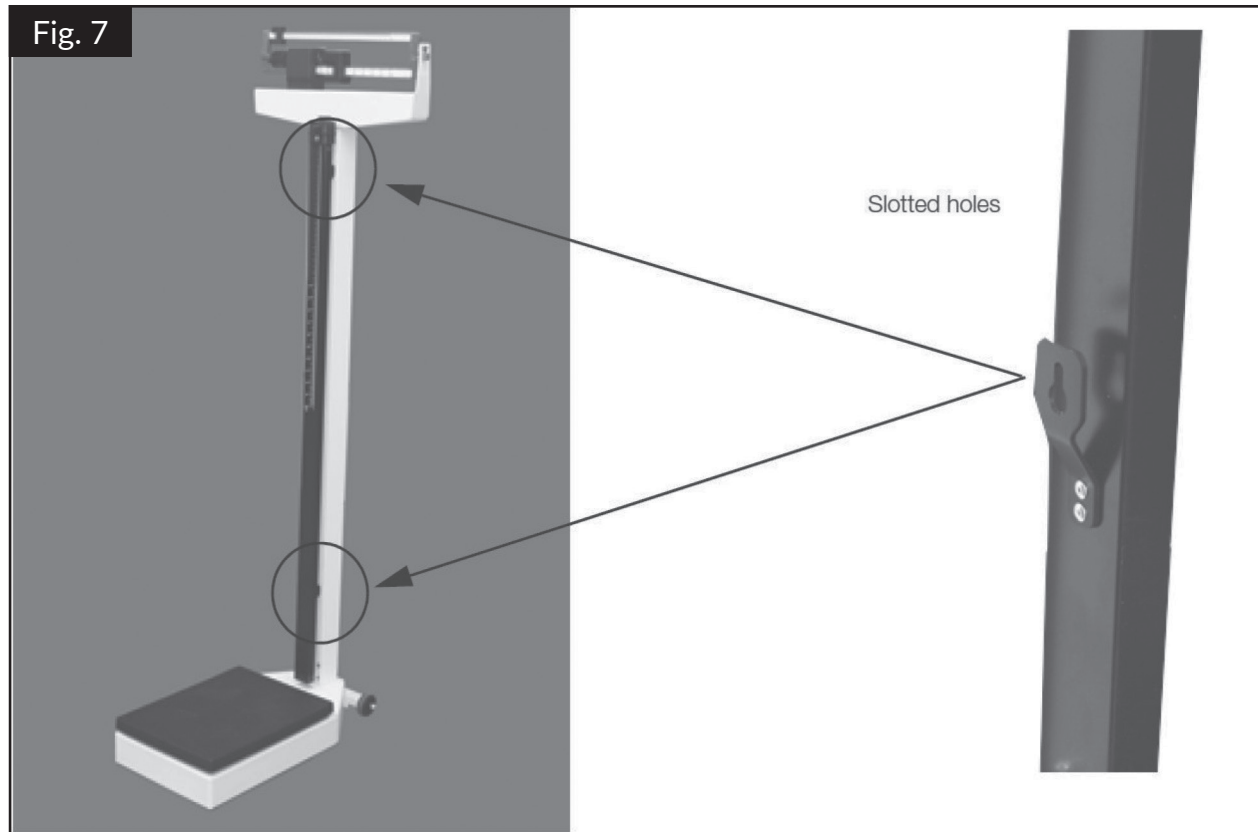
7. Push the long lever forward and hook the steel rod's bearing on the long lever pivot.
NOTE: During shipping, a plug is installed to ensure that the force lever assembly stays aligned, but the linkage may still come out of alignment. Visually ensure that the force lever assembly linkage is centered and properly aligned. The linkage must be free floating in order for the scale to weigh properly. If the scale is slightly tipped to one side, the linkage can be seen by looking up underneath the top weigh beam.



8. Place the scale gently back on the floor.

HEIGHT ROD ASSEMBLY

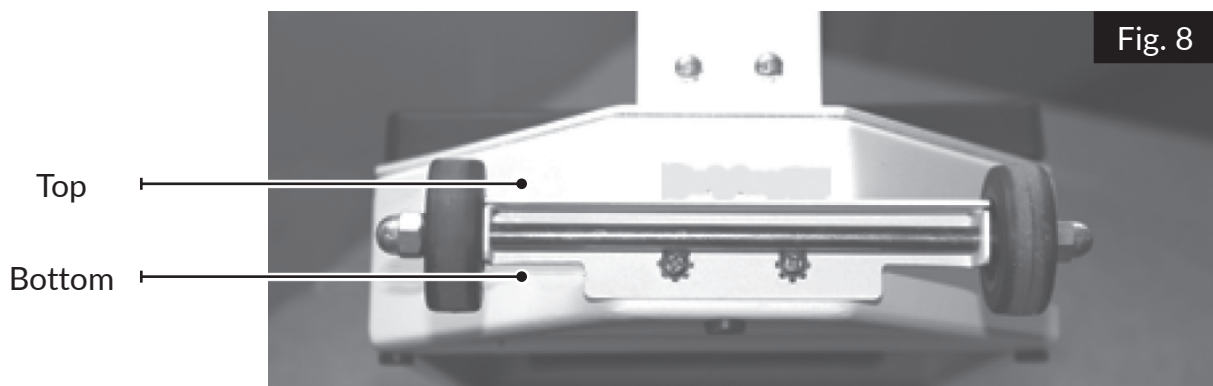
1. Insert the slotted holes on the back of the height rod into the two bolts on the front of the pillar as shown in Fig. 7.
2. Use the enclosed wrench to tighten the two hex-head screws.
Be sure not to over-tighten.
3. To raise or lower the height rod, press the red button at the top of the height rod.



WHEEL ASSEMBLY

1. Align the angle iron of the wheel base to the scale platform as shown in Fig. 8.
2. Use the screws and washers that are included to affix the wheel assembly to the platform. Adjust the angle iron at a level position and then tighten screws.
3. When moving the scale, hold the two side faces of the pillar to keep the front side of the platform away from the ground.

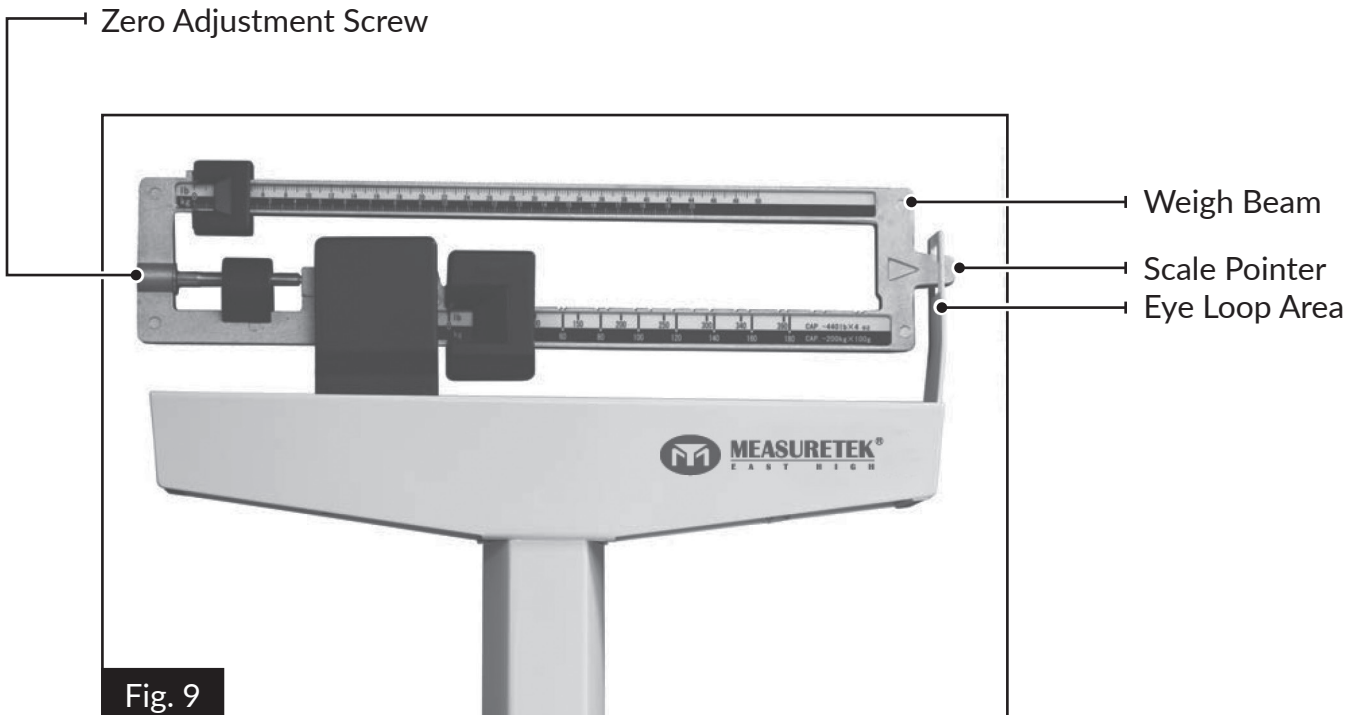
NOTE: Mounting the wheels upside down can cause weighing errors.



ZERO ADJUSTMENT

After assembly, the scale must be zeroed prior to use.

1. Ensure the scale is sitting on a level surface and slide the upper and lower weights to the far left positions.
2. Gently hold the scale pointer with your finger so it is centered within the eye loop area. Release the scale pointer and let it rise freely up or down.
3. If the pointer doesn't remain centered, turn the zero adjustment screw (shown in Fig. 9) using a flathead screwdriver until the pointer remains centered within the eye loop.



TROUBLESHOOTING

PROBLEM	POSSIBLE SOLUTION
Zero balance out of adjustment	The weighing beam must be balanced so the pointer comes to a rest in the center of the eye loop (shown in Fig. 9) when both poise weights are set at zero (see page 1 for poise weight location). Follow zero adjustment instructions on page 5.
Beam does not move freely	Make sure the pointer is not touching the side of the eye loop, impeding its range of travel.
	Visually ensure that the linkage is centered and properly aligned. Occasionally during shipping, the alignment will become skewed. The linkage must be free floating in order for the scale to weigh properly. If the scale is slightly tipped to one side, the linkage can be seen by looking up underneath the top weigh beam.
Platform rocks excessively	Ensure scale is sitting on a level surface. When you push down on any corner of the platform, you should not feel any significant rocking.
Beam does not move at all during weighing	Weights are set higher than the person's actual weight. Reset the weights to a lower weight.
	Make sure steel rod is properly connected and aligned as in Fig. 5
Scale is out of calibration	Recalibrate the scale by placing a known weight on the scale and turning the zero adjustment screw until the pointer remains centered within the eye.