

# Raytec Manufacturing

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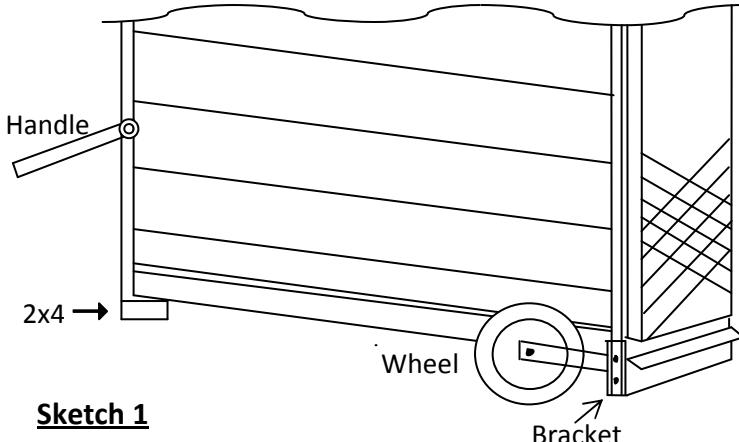
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## WAYPIG 300 SERIES SCALE ASSEMBLY INSTRUCTIONS

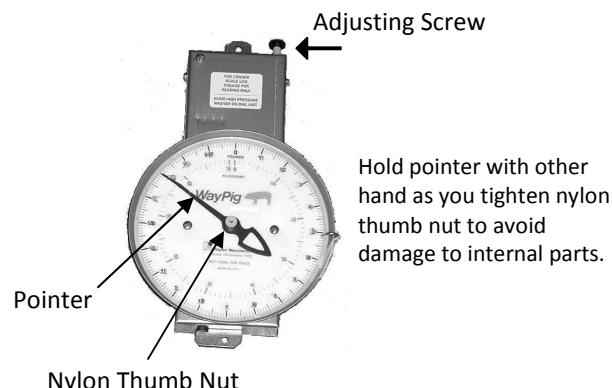
### Follow these steps for satisfactory scale operation:

1. Inspect scale when received and report damage to the carrier immediately.
2. Remove shipping boards. If you chose to install wheels (optional), do not remove the 2x4 on the bottom of the scale opposite the end from which you will be installing the wheels.  
**NOTE:** Wheels can be installed on either end of scale. The 2x4 is used to keep the scale level when the wheels are installed. The wheel brackets bolt onto the outside angle iron frame using the two pre-drilled holes on the angle iron and bracket. (See sketch 1 for placement of wheels and brackets.) Bolt the handles on the opposite end from the wheels with self-locking nuts. Do not over tighten so handles can swing freely.
3. Attach scale hanger. Scale hanger legs fit inside long top angles with eyebolt centered directly over adjustment plate on long scale arm.
4. Hang scale head in the eyebolt attached to the center of scale hanger.
5. Face scale head in the desired direction and attach scale head to adjustment plate on scale arm with the link included. Twist link into position if it interferes with scale head.
6. Be certain all floor cables are seated in the grooves on the torsion tubes.
7. Check that all scale parts and the floor move freely.
8. If needle does not point to "0", turn adjusting screw on top of scale head to bring pointer to "0". (Clockwise motion turns pointer counter-clockwise and vice-versa.)

**NOTE:** If you cannot adjust pointer to "0" with adjusting screw on top of scale, to avoid damaging the scale, please do the following: Turn the adjusting screw to the right as far as possible. Loosen the pointer by turning the nylon thumb nut and position the pointer at 280 lbs. (See sketch # 2.) **Caution:** Pointer must be held with other hand when loosening & tightening nylon thumb nut to avoid internal scale damage. Tighten the nylon thumb nut. You should be able to adjust the pointer to "0" now with the adjusting screw. Now the adjustment range is from 280 lbs. to 20 lbs. which is a 40 lb. range.



Sketch 1



Sketch 2

9. Fill hydraulic damper 2/3 full with clean oil (10 or 20W for most conditions—use 90W for extremely high temperatures).

The damper and oil absorb the shock when the hog steps on the scale. Failure to put oil in the damper may cause damage to the scale head.

10. Weigh a known weight to check scale operation. FEED SACKS AND BATHROOM SCALES RARELY GIVE ACCURATE COMPARISON WEIGHTS.

11. If scale weighs heavy or light, move adjustment plate (on scale arm at bottom of scale head) as follows: First be sure scale is at “zero” when empty as mentioned in step 8. If scale weighs too light, move adjustment plate away from damper cylinder. If scale weighs too heavy, move adjustment plate toward damper cylinder. Moving adjustment plate 1/8" equals a 2 lb. adjustment in weight as shown on scale dial. (Making this adjustment changes the weight ratio of the scale. Thus it should not be used to adjust the needle to “zero”).

12. Scale frame should be fairly level when in use.

**IMPORTANT:** The frame must be square and all the nuts and bolts should be tight. However, care must be taken so the bolts which hold the floor cables to the torsion tubes are not over tightened. Over tightening can deform the torsion tube and adversely affect the accuracy of the scale.

**PROTECT THE SCALE HEAD FROM THE WEATHER.** Keep scale unit clean and protected from the weather if possible.

This scale unit was designed to be practical and durable. We trust it will give you years of trouble free service.

### **IMPORTANT—DID YOU PUT OIL IN THE DAMPER?**

