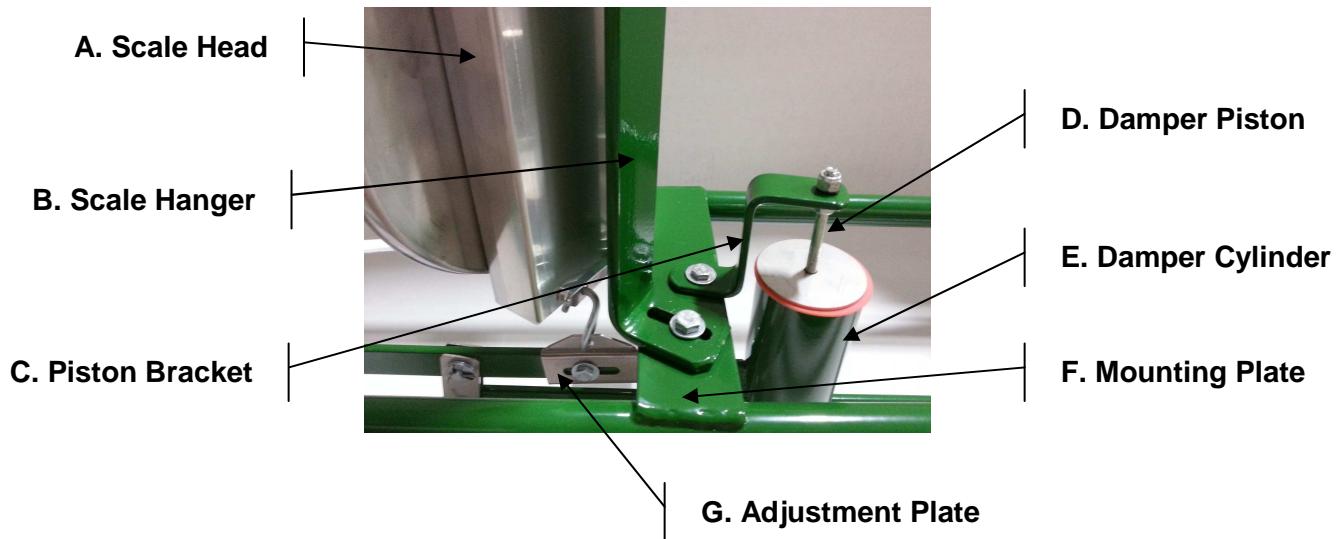


Raytec Manufacturing
Raytec LLC • PO Box 2339, Martindale, PA 17549
544 Gristmill Road, Ephrata, PA 17522

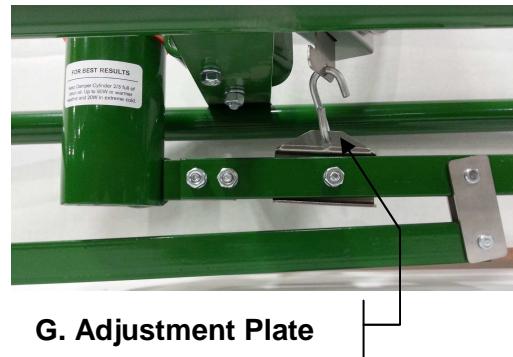
Phone (717) 445-0510
Toll-free (877) 800-2500
Fax (717) 445-0511
Sales@RaytecLLC.com

AH 500 & 505 Scale Assembly Instructions

1. Remove plastic wrap and plastic binding. Also remove protecting boards.
2. Check Scales for shipping damage when it is received.
3. Take out and observe all parts in boxes inside unit.
4. Install optional wheel arms on mounting brackets, at the bottom of the scale where boards were fastened for shipping. Install with wheels on side of arm toward scale. Place washer between arm and bracket. Bolts should be snug, not tight, to allow arm to move as wheels are engaged or disengaged.



5. Attach scale hanger (B) in larger hole on mounting plate (F) with bolt provided. Wait until Step 6 to tighten securely in order to align properly.
6. Install scale head (A) facing away from hanger (B). First use S-Link to attach scale head to adjustment plate (G) on bottom. (See picture.) Lift scale head and attach to eye bolt on top of scale hanger (B). Align scale hanger so that scale is directly above adjustment plate, then tighten dial hanger.

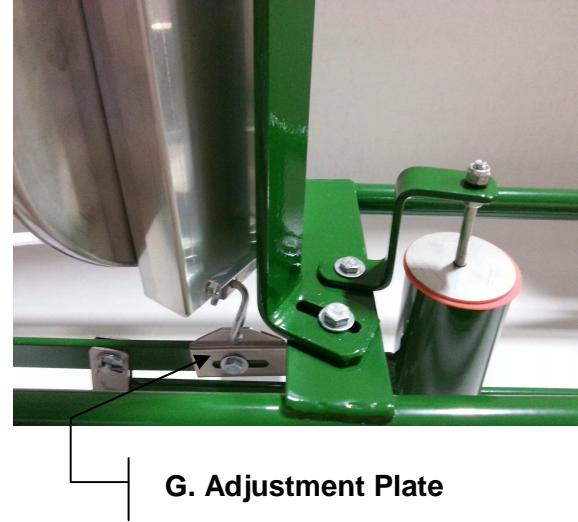




7. Install damper piston (D) into damper cylinder (E). Now bolt piston bracket (C) onto mounting plate (F) using smaller hole in mounting plate. Adjust so that piston moves freely in cylinder before tightening. If needed, loosen damper cylinder to align cylinder with piston.
8. Check that all scale parts and the cage move freely.
9. Be certain all cables are seated in the grooves on the torsion tubes.
10. If dial does not read "zero", adjust small thumbscrew on top of the scale head to "zero". (Clockwise motion turns needle counterclockwise and vice versa.) A small screwdriver held horizontally works nicely for adjustment.

IMPORTANT STEP

11. Fill damper cylinder (E) 2/3 full with clean oil (10 or 20W for most conditions – use 90W for extremely high temperatures.) Overfilling damper cylinder hinders weighing and increases the possibility of overflow.
12. Weigh a known weight to check scale operation. (Feed bags are seldom accurate.)
13. If scale weighs heavy or light, move adjustment plate (G) as follows: Be sure scale is at "zero" when empty as mentioned in Step 10. If scale weighs too light, move adjustment away from 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 bring the scale to "zero").



G. Adjustment Plate

14. Scale should be fairly level in use. Disengage wheels for weighing and storing.

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 cables to the torsion tube are not over-tightened. Over-tightening can deform the torsion tube and adversely affect the accuracy of the scale.

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

These units are designed to be practical and durable. We trust they will give you years of trouble free service.



Waypig 500
(assembled)



Waypig 505
with optional Wheel & Handle Kit
(assembled)