

High Capacity Grain Gage Low-Yield Insert Installation Instructions

Purpose:

This procedure explains how to modify the Harvest Master High Capacity Grain Gage (HCGG) bucket for low-yield grains.

Tools required:

- SAE Allen wrench set
- 3/8" combination wrench or nut driver
- 5/16" combination wrench or nut driver
- #1 Phillips screwdriver
- Diagonal cutting pliers

Parts required:

- HCGG with BDS (JSPN 20375)
- Lower ground plane (JSPN 23178)
- Upper insert (JSPN 23179)

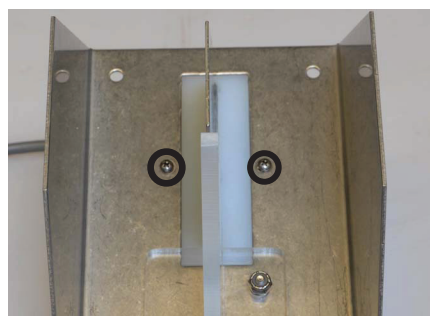
Lower Ground Plane installation

1. Follow the steps outlined in the High Capacity Grain Gage Field Reference Guide section on General Care and Maintenance for steps to remove the weigh bucket.
2. Turn the bucket upside-down on a bench top.
3. Remove the moisture sensor ground plane from the weigh bucket by removing the screws on the corners with a 1/8" Allen wrench and 3/8" end wrench.

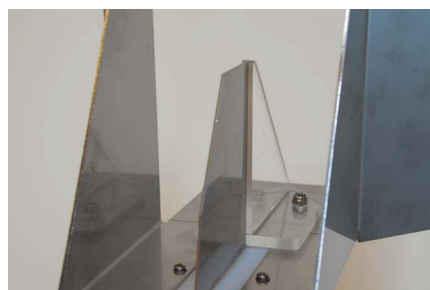
Note: Depending on your installation, your moisture sensor may be on the right side of the bucket with the bucket upside-down.



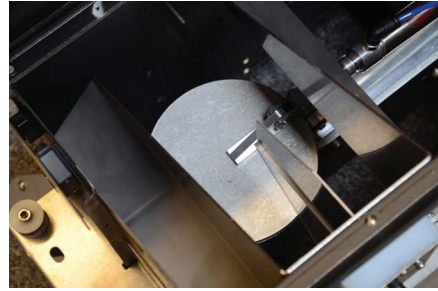
4. Remove the moisture sensor from the ground plane by removing the two 4-40 screws located on the inside of the ground plane.
5. Install the moisture sensor into the new Lower Ground Plane. Ensure that the angled edge of the blade matches the angled edge of the ground plane.



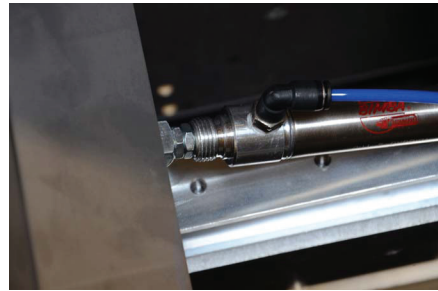
6. Remove the plastic trash deflector from the old ground plane with the 5/16" wrench and install into the new Lower Ground Plane. Make sure that the moisture sensor blade is centered within the Trash Deflector fin along the entire length of the blade, and that there is no gap between the blade and the deflector.



7. As applicable, remove the plate covering the hole below the BDS Cup and install it in the location where the moisture sensor was removed.
8. Install the new Lower Ground Plane into the weigh bucket below the BDS cup.



9. Check that the BDS cup door clears the plastic trash deflector when the BDS cup door is opened. If needed, jam nuts may be added to the end of the BDS cup door actuator to limit its stroke preventing it from striking the trash deflector. Please call our support line for instructions.



10. Reinstall the bucket and check all air and power connections.

Note: The Lower Ground Plane insert can be left in the weigh bucket for normal harvest conditions.

Upper Insert installation

Note: Use the Upper Insert only when plot yields are below 12-15 lb.

1. Place Upper Insert in the top of standard- or expanded-size hoppers. Ensure the insert is correctly oriented in the bucket. See picture.

