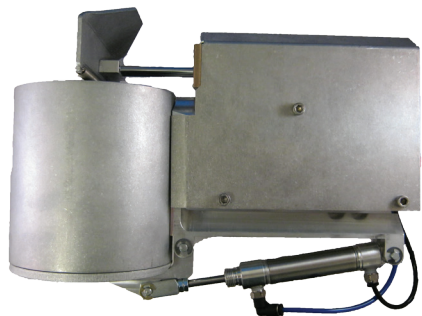


HM-800 Bulk Density Sensor



wiper spacer installation instructions

Copyright March 2014, Juniper Systems, Inc. Information is subject to change without notice. Juniper Systems and Bulk Density Sensor are trademarks of Juniper Systems, Inc.



HarvestMasterTM
by Juniper Systems, Inc.

tel: 435.753.1881 | web: www.junipersys.com

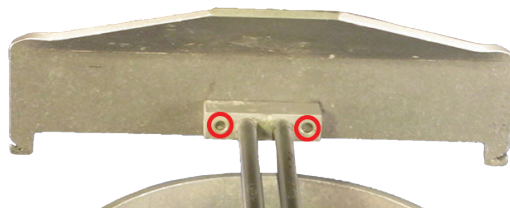
1132 W. 1700 N. Logan, UT 84321

Required parts and tools:

- Wiper spacer adapter block
- Two #8 x 32 – 3/4" Flat Socket Head Screws
- 3/32" Allen wrench
- Loctite 271 Red Thread locker
- Butane torch

Clean wiper blade holes

1. Close the safety air cutoff valve on the GrainGage
2. Pull the BDS wiper blade all the way out
3. Remove the spring from the wiper blade
4. Clean out the two screw holes on the back of the wiper blade mounting block.
5. Blow out the holes with compressed air.



Remove screws

1. Direct a small flame from a butane torch into each screw hole for 20-30 seconds each to soften the Loctite on the screws.

Caution: Parts will be hot after using torch.

Note: Clean all dust and dirt out of the screw head holes before inserting the Allen wrench. Failure to do this may cause the screw head to strip.

2. Carefully remove the two wiper screws, taking care not to twist the actuator rods. Be careful not to strip the screw heads.
3. Discard the old screws.

Install Adapter Block

1. Place the adapter block over the rectangular block as shown.



2. Insert the two #8x32 – 3/4" Flat Socket Head Screws through the wiper blade.
3. Place a small drop of Loctite 271 on the threads of each screw.
4. Push the wiper all the way closed.
5. Insert the screws from the wiper blade through the adapter block and start them into the mounting block.
6. Use a 3/32" Allen wrench to install the wiper blade/adapter assembly on the mounting block on the end of the actuator.

Caution: Do not over-tighten! Be careful not to twist the actuator rods or mounting block on the end of the rods.

7. Reinstall the spring.
8. Verify that the wiper blade and spring are parallel with the top edge of the cup.

