

BHT2 baler mounted moisture tester mounting
Jun 6, 2013

Step 1 – Determine Sensor Pad location

On this round baler we mounted the sensor pad about 15 inches from the bottom of the tail gate. Ensure the front angled part of the sensor pad is aimed so that that hay is coming up the angled front part of the pad first, goes across the sensor, and past the back (straight edge) of the pad. Refer to the manual for extra explanation. Angle the pad so it is in the path of the hay.



Step 2 – Tape the paper sensor pad template to the wall

Ensure pad is properly aligned relative to the direction of the hay. Using two pieces of tape, tape the sensor pad template to the bale chamber wall (this assist you in center punching before drilling).



Step 3 – Center Punch (before drilling)

See “Step 2” photo above. It shows us center punching the 4 holes using the paper sensor pad template that is taped to the baler side wall. Use a center punch, ensure it is in the “cross hairs” of the center of the hole (on the paper template), and hit the center punch hard one time with the hammer. Repeat this for all four holes. Proper alignment at this step is important. Remove the paper template to prepare for drilling. As a double check, prior to drilling the four holes, place the sensor pad over top of the center punched holes. All four holes should line up. If not, make corrections as needed. Once the template is removed, you can carefully use the center punch and make deeper indents if desired, before drilling to ensure the drill bit does not move from to the needed hole location.

Step 4 – Drill the 4 holes

As shown on the paper sensor pad template, two holes are $\frac{11}{64}$ inch and the other two are $\frac{1}{4}$ inch. It's common to drill all four holes with the smaller $\frac{11}{64}$ inch bit first. This way two holes are done, and then it is a good pilot hole for the two larger $\frac{1}{4}$ inch holes you will need to drill. Pay close attention to which are the larger $\frac{1}{4}$ inch holes using the template and sensor pad. After drilling there will be steel burs on the opposite side (the side the drill bit came out). Use a file or side cutters and remove the burs before mounting the pad or they will keep the pad from mounting flush with the wall.



Step 5 – Mount the sensor pad

Now that the four sensor pad holes are drilled in the baler side wall, mount the sensor pad. Refer to the manual to see the correct order of the bolts, lock washers, insulators, and nuts. The lock washers are small so be careful not to drop them. The insulators are important to isolate the sensor pad electrodes from the baler side wall. The two ring terminals on the end of the sensor pad cable get secured as shown below. Repeat steps 1-5 for the sensor pad that goes on the other side of the bale chamber.



Step 6 – Secure the sensor pad cable and tie wrap it to the baler hydraulic lines or other wire harnesses

In the below photo see the crooked white line. We ran the sensor pad wire right next to this white line and secured it with tie wraps (cable wraps) to the hydraulic lines or wire harness, just so it is out of the way of all moving parts such as gears, springs, and chains.







Step 7 – Mount Display Unit in the front of the cab

Many tractors have a mounting bracket used for mounting the bale monitor display. This bracket often has additional holes for mounting. If so, then use this bracket and the middle U shaped bracket hole (the bracket that comes with our tester). Connect the 12V power cable to the tractor 12V, and the sensor cables to the sensor pigtails that come out of the display unit, turn it on, and you are ready to bale.

