

BHT2 Mounting Instructions

For Case RB455 (Round Baler)

General: These instructions address the question of where to mount the BHT2 baler mounted moisture tester sensor pads on the RB455 series round baler. These are meant for the BHT2, but can also be used for the BHT1 too, it just has a different looking template and sensor pad.

1. **Sensor Pad Template** – The paper template is important since it allows the user to tape this onto the outside wall of the bale chamber to know where to drill the 4 mounting holes. The sensor pads mount on the “inside” of the bale chamber but the template and drilling can be on the “outside” of the baler. The sensor pad drilling template is an easy to use tool for drilling the holes in the correct locations. The two larger holes are drilled with a 1/4 inch bit, and the two smaller holes are drilled with 11/64 inch drill bit.

In figure 1 you will see the template on the left and the sensor pad on the right. Notice the direction of the two arrows printed on the template. This identifies the direction the hay will move across the sensor pad. The template has the words “Sloped edge” on the bottom. This identifies the location of the actual sloped edge on the sensor pad as the hay moves up and over it while the bale is growing and forming.

Figure 1 - Sensor Pad (right), and sensor pad drilling template (left)



2. **Tape Template on The Left Side** – First of all, when I say left side my orientation is standing behind the baler facing the tailgate. If this were a truck we'd call that the driver's side.

Tape the template on the outside wall of the bale chamber as shown in figures 2 and 3 below. Notice the template is on an angle. Also, the template arrows point toward the tailgate (the back of the baler) which is towards the man's hand in the photos below. Figure 2 and 3 are the same except figure 3 is a "zoomed in" view.

Figure 2 - Left side of baler (zoomed out)



Figure 3 - Left side of baler (zoomed in)



Some things to note from figure 3 photo of where to tape the sensor pad template before drilling the holes:

- The template arrows are pointing in the direction of the hand in the photo. This is towards the back (tailgate) of the baler.
- The template is on about a 40 degree angle. The exact angle isn't as critical as putting it on some angle so the hay (as the bale is spinning and growing) hits the sloped edge of the sensor pad first when it's mounted on the inside of the bale chamber (opposite side of the steel wall from the template).

3. **Tape Template on The Right Side** - First of all, when I say right side my orientation is standing behind the baler facing the tailgate. If this were a truck we'd call that the passenger side.

Tape the template on the outside wall of the bale chamber as shown in figures 4 and 5 below. Notice the template is on an angle and the arrows point towards the tailgate (the back of the baler) just as the left side template did. Figures 4 and 5 are the same except that figure 5 is a zoomed in version of figure 4 so you can see the arrow direction on the sensor pad drilling template.

Figure 4 - Right side of baler (zoomed out)



Figure 5 – Right side of baler (zoomed in)



4. Drill holes and mount sensor pad

Now that the left and right “sensor pad drilling templates” are taped in the correct location use the correct drill size and drill all 4 holes. 2 holes will use a 1/4 inch drill bit, and 2 holes will use an 11/64 inch drill bit. Take care to keep the drilled hole centered on the template holes. [You should carefully center punch using the template holes to ensure the drill doesn’t walk on you while drilling. This will ensure the holes are drilled in the correct location.](#) After the holes are drilled on the left and right walls then mount the sensor pads on the “inside” of the bale chamber. Align with the 4 holes and using the instruction manual and bolts to mount it accordingly and then route the sensor cables.

5. BHT1 (single sensor pad system)

If you have a BHT1 (single sensor pad system) instead of the BHT2 (two sensor pads) then simply mount the sensor pad on either the left or right as described above. The template and sensor pad look different but mount at the same location as mentioned above and at the same angle. You decide if you want to mount it on the right for left.