

YieldSense™

Moisture Sensor Installation For Case IH Mid-Range Combines 750863

Tools for Installation

9/16" Socket or Wrench
1/2" Socket or Wrench
7/16" Socket or Wrench
Cordless Drill
Hole Saw (1 3/4" - 2 1/4")
Cutting Tool (Die Grinder with Cutoff Wheel)
1/4" Drill Bit

This installation may require a shield modification kit from Case IH. Case IH part number 373455A1 will be needed if installing on a 2188 combine or a 2388 combine built prior to the year 2000. This kit can be acquired from the parts department of your local Case IH dealer.

Precision Planting®

Note: The information presented in this document was accurate at the time of publishing. The most current revision of this document can be found at <http://cloud.precisionplanting.com/pubs>.

Moisture Sensor Installation

Step 1: Remove the old shield by locating the brackets shown (figure 1). Loosen the top two bolts with a 9/16" wrench and the bottom two bolts with a 1/2" wrench.



Figure 1

Step 2: Remove the top bracket mounting plate and replace with washers or flip the bracket so it is facing the opposite direction and does not interfere with the moisture sensor mounting. The only purpose for this bracket is spacing.

Step 3: Position the marking template on the clean grain elevator as shown in figure 3a. The right side template should be flush with the right edge of the elevator. The bent flange of the template should rest on the lower reinforcement bracket as shown in figure 3b. Tape the template in place.



Figure 3a

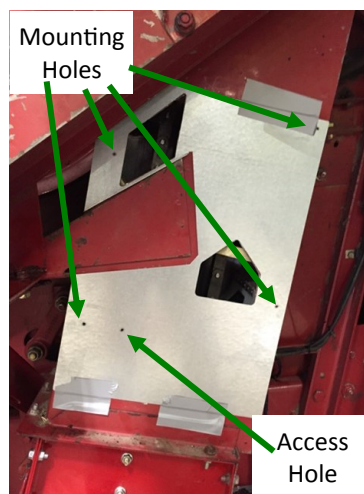


Figure 3b

Step 4: Trace the inlet and outlet holes using a permanent marker. Also mark/punch locations of four (4) mounting holes and one (1) access hole (1%) as shown in figure 3b above.

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Step 5: Center punch the locations of the four (4) mounting holes and one (1) access hole marked in step 4.

Step 6: Drill the access hole using a 1 3/4" - 2 1/4" hole saw and 1/4" drill bit.

Step 7: Drill the four (4) mounting holes using the provided 1/4" drill bit. Then square the two left mounting holes that go into the CGE cavity with the provided file for the carriage bolts.

Step 8: Cut out the inlet and outlet holes.

Note: If you use a plasma cutter for this step, use the template as a guide to ensure the holes are cut accurately. Be careful not to damage the buckets.



Figure 8

Step 9: Insert the two (2) 2 1/4" x 1" slotted pan head screws and two (2) carriage bolts into the mounting holes from the inside of the elevator. Attach retaining rings to the screws.



Figure 9

Step 10: Install the moisture assembly over the 1/4" screws and secure with 1/4" lock nuts to 8 ft-lbs.

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Step 11: Install the new shield if required (2188 models and 2388 models prior to the year 2000). Remove the old latch and install it on the new shield. Replace the bottom and top mounts along with the shield as shown in figure 11.

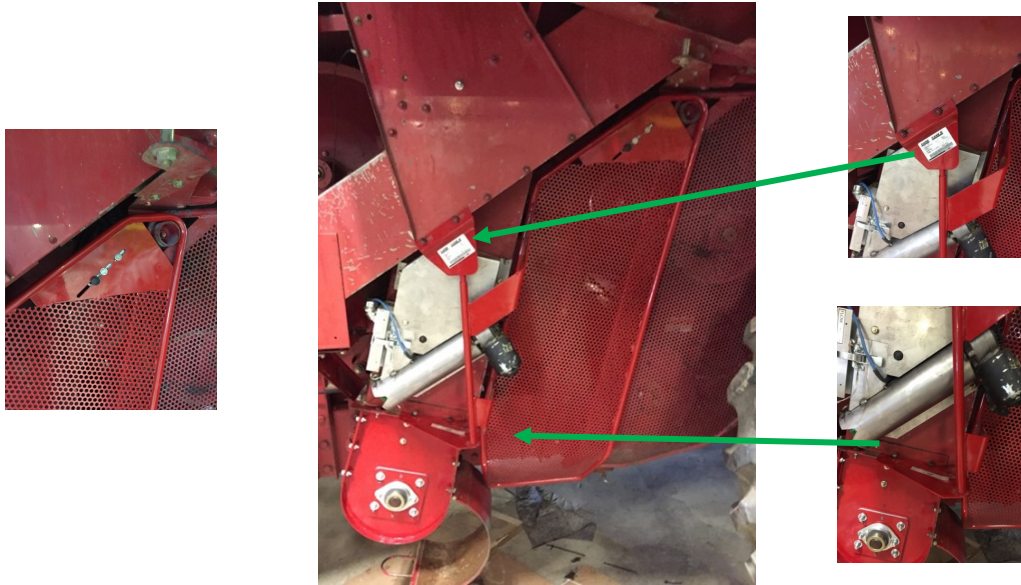


Figure 11

Step 12: Plug in harnessing. Plug the 2-pin power connector into the battery (figure 12a). Then plug the main harness into the Aux connector on the flow sensor harness by the YSM (figure 12b).

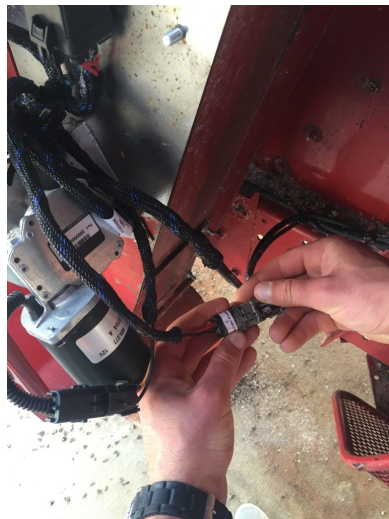


Figure 12a



Figure 12b