

YieldSense™

Moisture Sensor Kit

John Deere Combines

Part Number 750600

Kit Components—750600		
Qty.	Part #	Description
1	750467	Moisture Sensor Assembly
1	750628	Moisture Sensor Power Harness
1	750597	Installation Template
1	750629	Hardware Kit
1	750883	Upper Template
1	750884	Lower Template

Tools for Install
Drill
SAE and Metric Socket or Nut Driver Sets
Grinder
Thin cut-off wheel
Cutting oil

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>.

Precision Planting®

Preparing for Installation

Step 1: Locate the tensioning spring for the clean grain elevator chain behind the clean grain elevator.



Figure 1

Step 2: Using two wrenches, loosen the bottom nut away from the top nut and spin the nut down the entire length of the bolt loosen the top nut down until it touches the bottom nut, and remove the drive belt from the drive pulley.

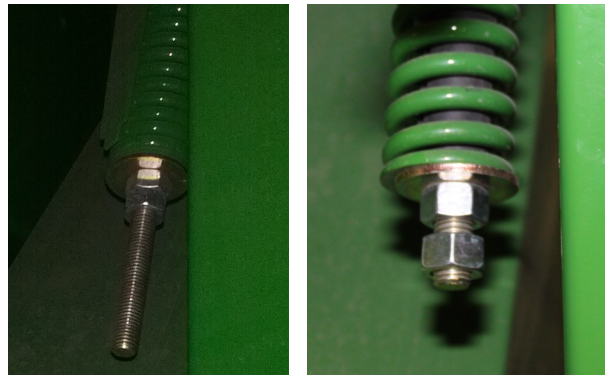


Figure 2

Template for 50, 60, & 70 Series

Step 1: Place the moisture sensor template on the side of the clean grain elevator with the flange portion of the template on the left hand side of the elevator as shown.



Figure 1

Step 2: Align the bottom of the moisture sensor template so that it is 18 5/8" above the clean grain elevator boot.



Figure 2

Step 3: Use a marker to outline all of the holes on the moisture sensor templates that will be cut or drilled.

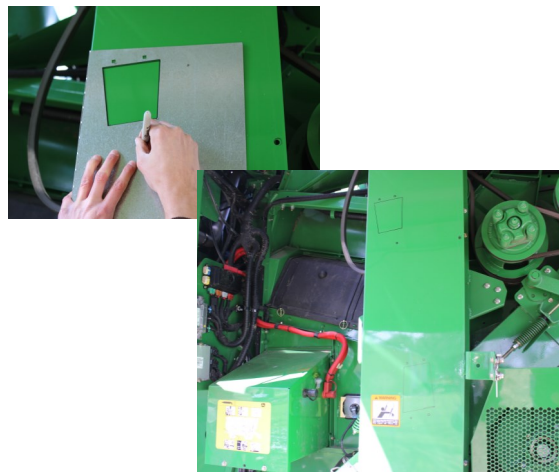


Figure 3

Template for 00/10 Series

Step 1: Place the moisture sensor template on the side of the clean grain elevator and align the bottom edge of the right template with the top of the elevator boot. Then align the bottom of the left template with the top of the right template.



Step 2: Use a marker to outline all of the holes on the moisture sensor templates that will be cut or drilled.
Note: If you already have John Deere side mount moisture sensor installed no template is required. Use the moisture sensor bracket and align it with the previous bottom holes and follow instructions shown at right.



Moisture Sensor Installation



Please use appropriate Personal Protective Equipment such as safety glasses, ear protection, face mask, and face shield while cutting the clean grain elevator.

Step 1: Cut along the inside of the lines marked for the moisture sensor.

Note: The center divider of the clean grain elevator is located 5 1/4" from the back side of the elevator. Be cautious when cutting front side of the top hole.



Figure 1

Step 2: Drill the mounting holes for the moisture sensor with a 9/32" drill bit.



Figure 2

Step 3: Using the provided square file, square the mounting holes so carriage bolts can be used to mount the moisture sensor. Then insert the 8 carriage bolts. Use the retaining ring to keep the bolts from pushing through when installing the mount.

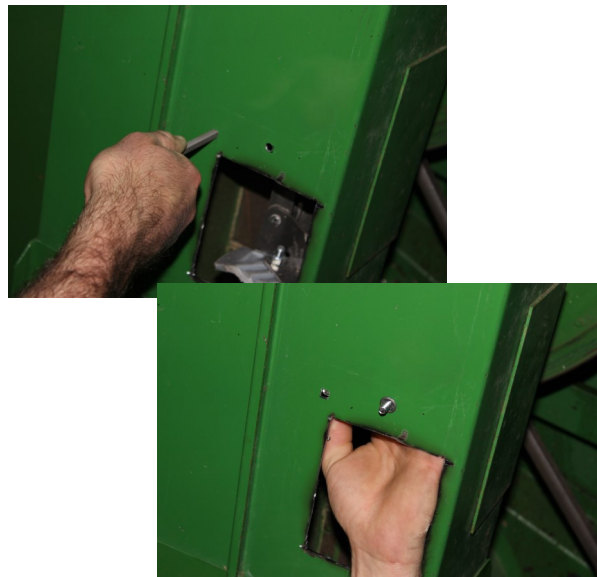


Figure 3

Moisture Sensor Installation

Step 4: Attach moisture sensor bracket to the clean grain elevator with the carriage bolts.

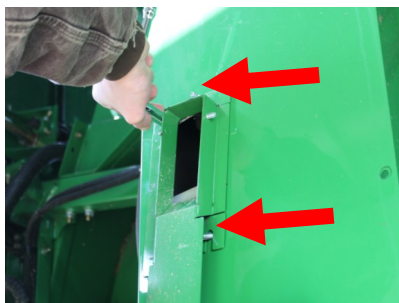


Figure 4a

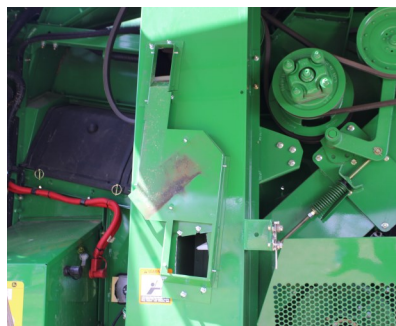


Figure 4b

Step 5: Attach the moisture sensor to the bracket by tightening the 9 nuts.



Figure 5a



Figure 5b

Step 6: Attach moisture sensor harness to the moisture sensor and then install the harness cover.

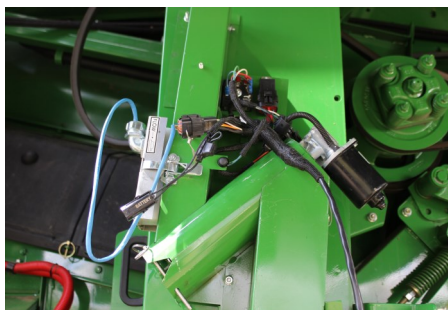


Figure 6a

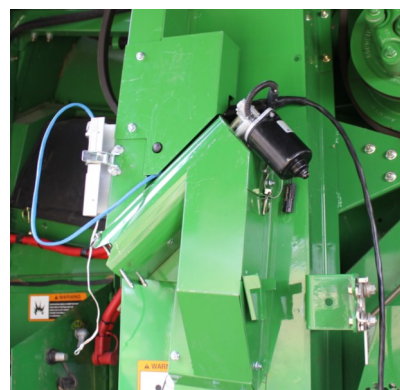


Figure 6b

Moisture Sensor Installation

Step 7: Run the harness up the clean grain elevator and then over to the combine frame. Run it along the combine frame, avoiding belts, to the locations described in steps 8 & 9.

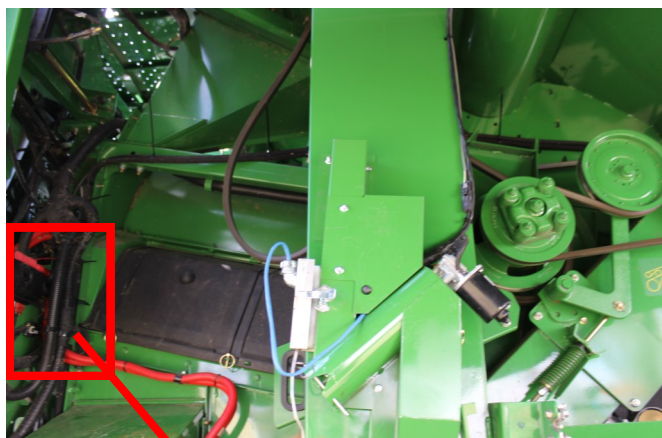


Figure 7

Step 8: For 60 and 70 series combines attach power connection on the moisture sensor harness to the available power post. For 00/10/50 series combines, route the power harness directly to the battery at the back of the combine.

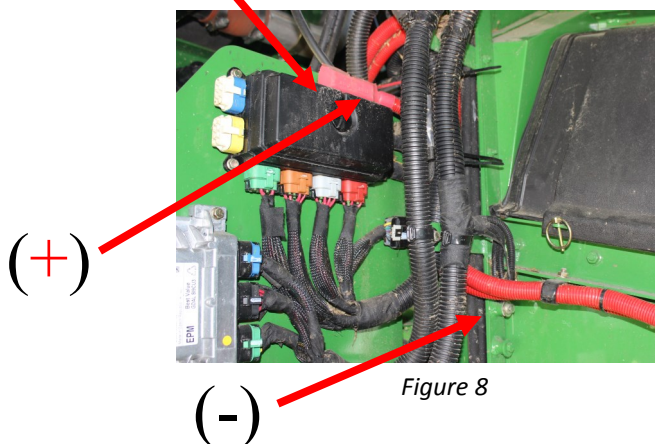


Figure 8

Step 9: Attach the moisture sensor harness to the AUX plug on the flow sensor harness.



Figure 9

Completing Installation

Step 1: Place the belt back on the pulleys and verify that the routing of the belt is correct. Then tighten the nuts below the spring, returning the washer to the location noted when loosening the nuts on the tensioning spring in Step 1 of Preparing for Installation.

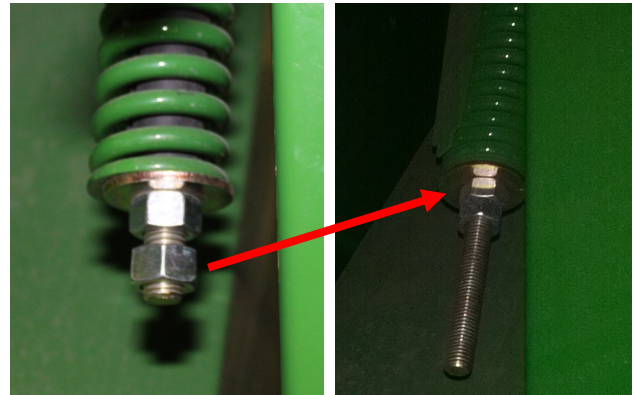


Figure 1

Step 2: After 10 hours of operation, check the chain tension. Adjust the tension if needed.

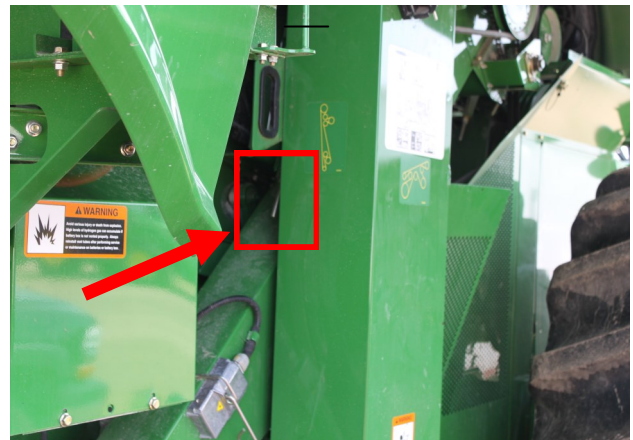


Figure 2