

YieldSense™

Precision Planting Moisture Sensor Motor Replacement 750890

Tools for Install
3/8" Combination Wrench
7/16" Socket and Ratchet
12" Extension
Pliers

Precision
Planting®

Motor Replacement Installation

Step 1: Unplug the 2 pin weather pack located in Figure 1 below.

Step 2: Remove both pins to release the end cap and auger as shown in Figure 2a. Then, remove the end cap and auger from the housing as shown in Figure 2b.

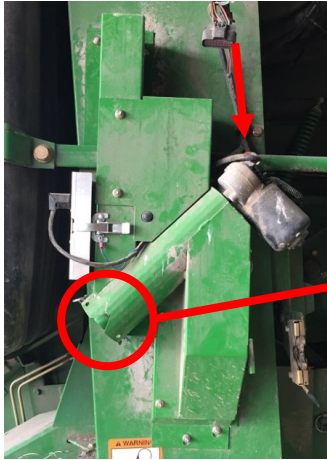


Figure 1



Figure 2a



Figure 2b

Step 3: Locate the 3 bolts and remove using a 7/16 " socket and a 12" extension. Next remove the threaded rod that centers the auger. You may need to use a plyers to break the rod loose. Now remove the motor from the moisture sensor. You will need to angle the motor a bit to allow the coupling nut and square key to fit. See Figures 3a and 3b below.

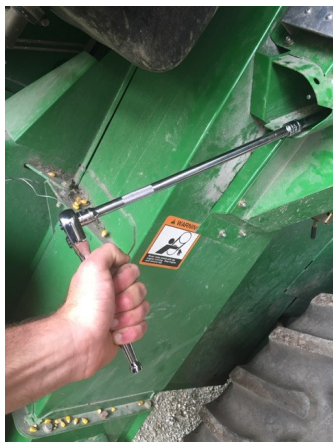


Figure 3a



Figure 3b

Motor Replacement Installation

Step 4: Using a 3/8 " wrench, remove the coupling nut and square key from the old motor. See figures 4a and 4b at right.



Figure 4a



Figure 4b

Step 5: On the new motor, install the square key and coupling nut using the 3/8" wrench (See Figures 5a—5c below).



Figure 5a

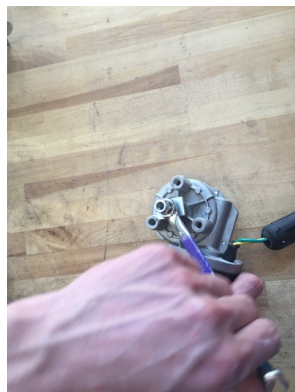


Figure 5b



Figure 5c

Step 6: Install the new motor in the moisture sensor assembly. Install the 3 bolts with the 7/16 " socket and a 12" extension. Torque the bolts to 8 ft-lbs. Then reinstall the rod by tightening it back into the coupling nut. See Figures 6a and 6b at right.

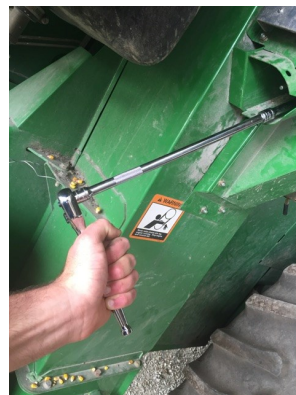


Figure 6a



Figure 6b

Motor Replacement Installation

Step 7: Reinstall the end cap and the auger (Figure 7a) and reinstall the two pins to secure the end cap (Figure 7b). Then plug the two pin weather pack back into place (Figure 7c).



Figure 7a



Figure 7b



Figure 7c