

CASE 21XX Series Down Force Sensor Replacement

Instructions for replacing 725930 down force sensor.

Note: Raise the planter before replacing the down force sensor to make the process easier.

Step 1:

Remove the meter and hopper from the row unit.

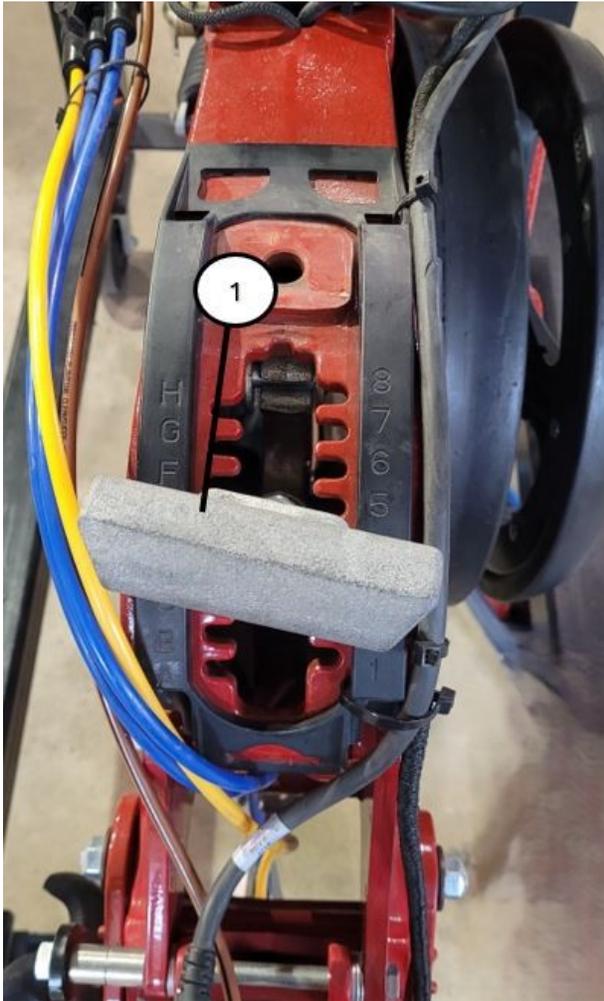
Step 2:

Remove the Seed Tube (or SpeedTube), Seed Tube Boot, Seed Tube Spring, and Seed Tube Mount, as applicable.



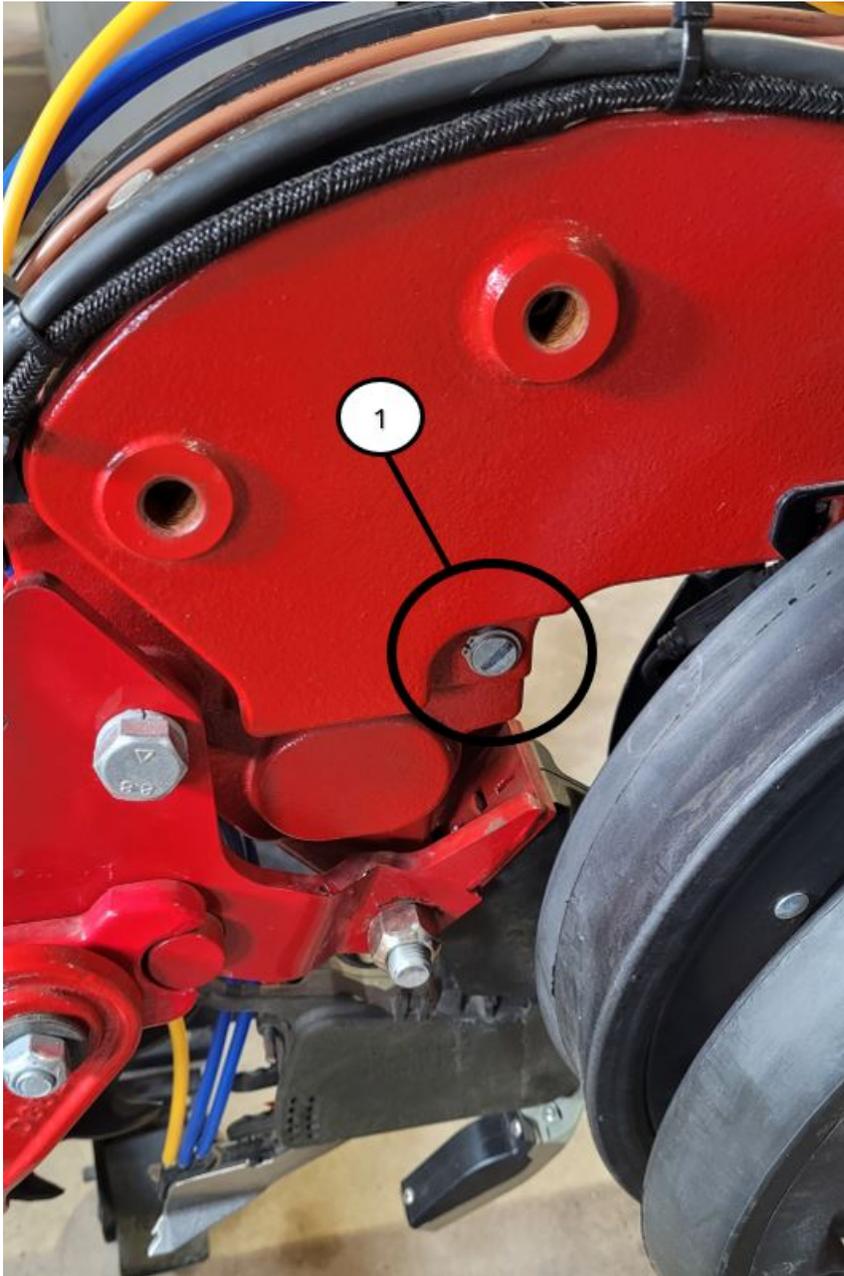
Step 3:

Push the depth handle (1) down and rotate the handle to remove it from the row unit.



Step 4:

Using a pair of snap ring pliers, remove the snap ring (1) and pin from the depth control arm.



Step 5:

Push the depth control arm (1) down and toward the front of the row unit and unhook it from the depth control linkage.



Step 6:

Unplug the downforce sensor and route the harness through the seed tube opening in the shank.

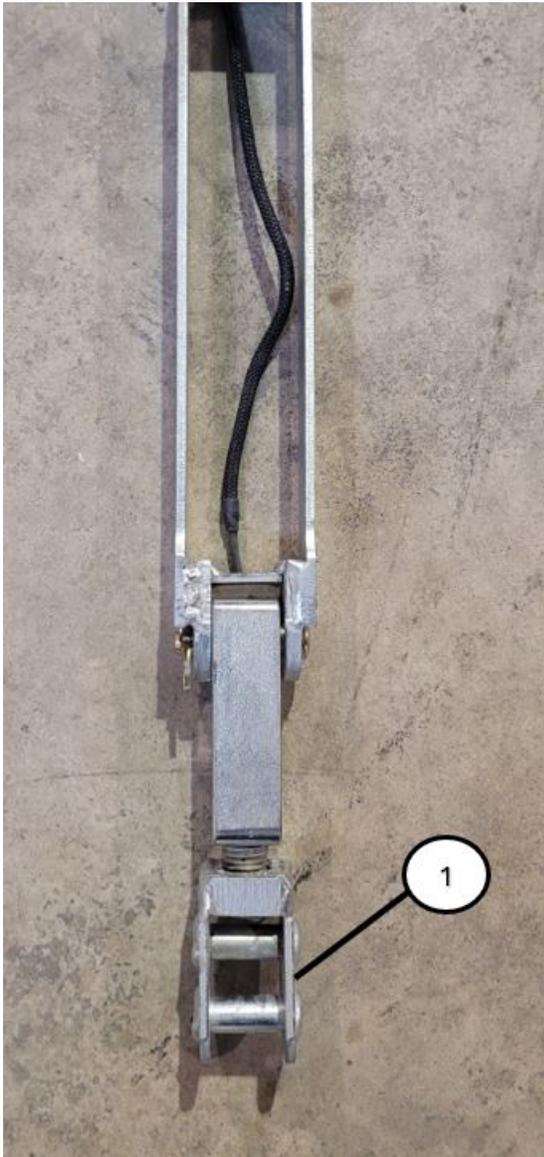
Step 7:

Move to the front of the row unit and locate the wobble bracket (1) on the depth linkage. Pull the depth linkage out of the row unit.



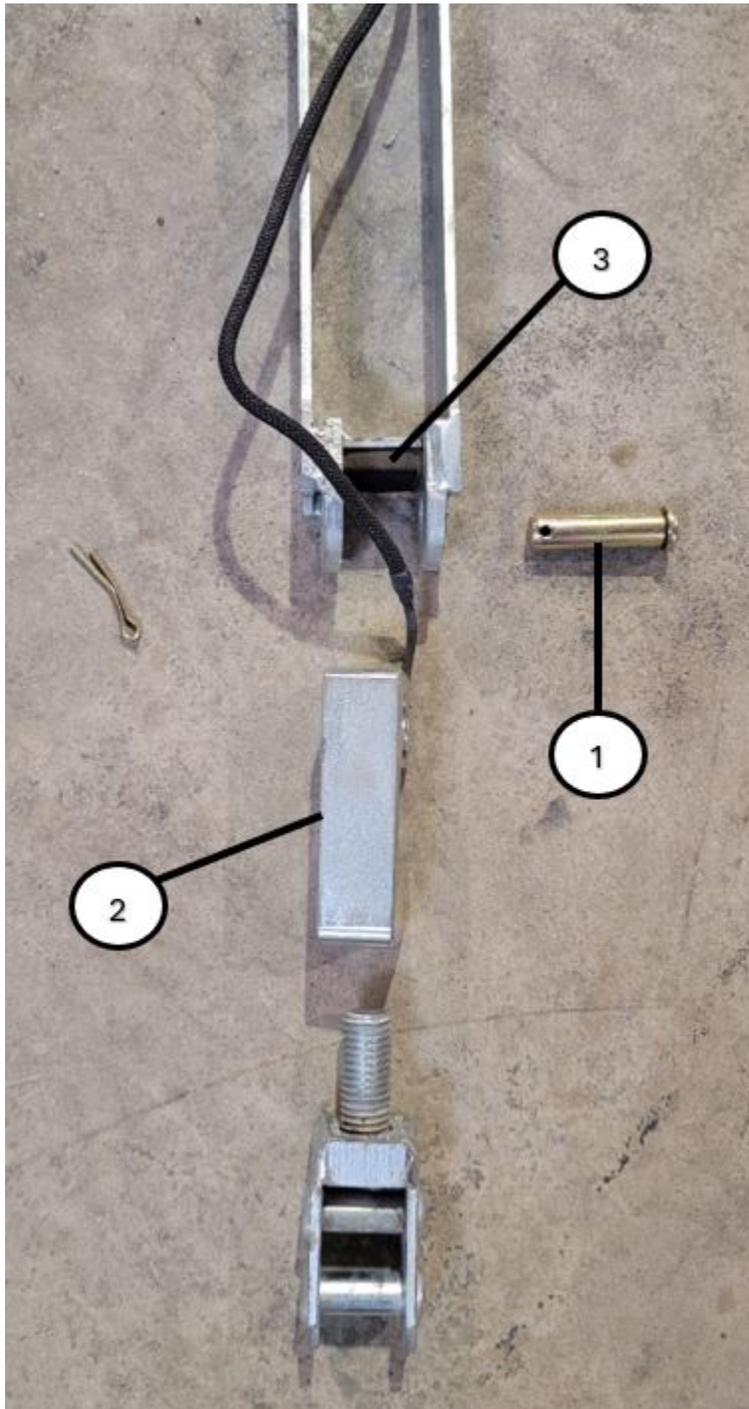
Step 8:

Remove the depth control rear linkage (1). **Count the number of turns it takes to remove the linkage so it can be re-installed with the same number of turns.**



Step 9:

Remove the cotter pin and clevis pin (1), then remove the down force sensor (2).



Note: Ensure the rubber depth spacer (3) remains in place between the down force sensor and depth control linkage when installing the new sensor.

Step 10:

Position the new sensor in place in the depth control linkage and re-install the cotter and clevis pins. Thread the depth control rear linkage into the down force sensor, the same number of turns it took to remove it. The sensor should be installed with the opening facing down, as shown.



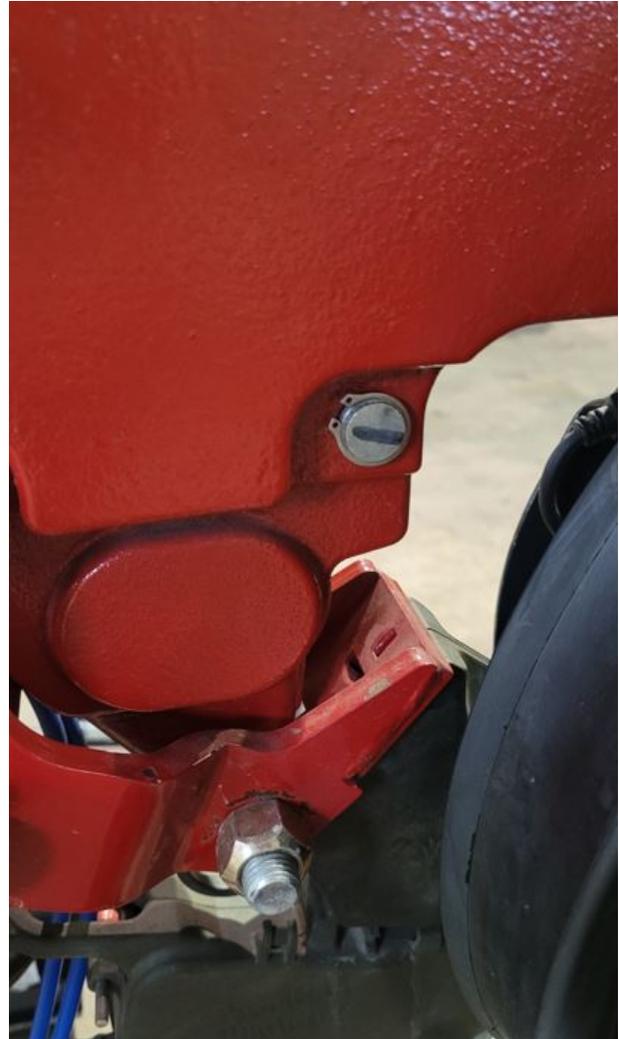
Step 11:

Slide the entire depth linkage into the shank, again with the down force sensor opening facing down.



Step 12:

Re-install the depth adjustment arm into the shank and hook it to the depth control rear linkage as shown. Align the bottom hole in the depth adjustment arm with the hole in the shank and re-install the pin. Secure with the snap ring.



Step 13:

Re-install the depth handle and set the depth appropriately.

Step 14:

Route the down force sensor harness through the notch in the shank opening as shown and re-install the seed tube mount, seed tube spring, and seed tube boot. Plug the down force sensor harness into the appropriate connector on the SRM.



Step 15:

Re-install the seed tube or SpeedTube. Then re-install the meter and hopper.

Note: Zero the down force sensors with the planter lifted before operation.