

Horsch Maestro Load Sensor (955948)

Horsch Load Sensor Kit 712009

Quantity	Part Name	Description
1	Load Sensor	Horsch Maestro Load Sensor
1	Bracket	Horsch Maestro Load Sensor Harness Routing Bracket



Step 1

Begin by removing the bolt holding the gauge wheel arm and remove the arm and gauge wheel. This will need to be done on both sides of the row unit.



Step 2

Removing the gauge wheel arms will allow the installer to access two (2) hex-head set screws on the underside of the row unit shank. Using a 5MM Allen wrench, loosen these set screws until the gauge wheel arm axle can be slid freely in the shank. The set screws do not need to be removed, only loosened. ** Do not remove the gauge wheel arm axle yet, but if it cannot slide freely in the shank, it may require a rubber mallet and/or a brass punch to hammer out in a later step.*



Step 3

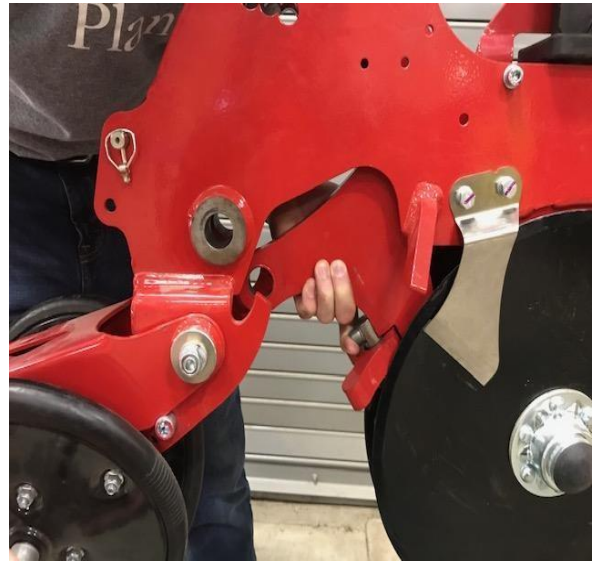
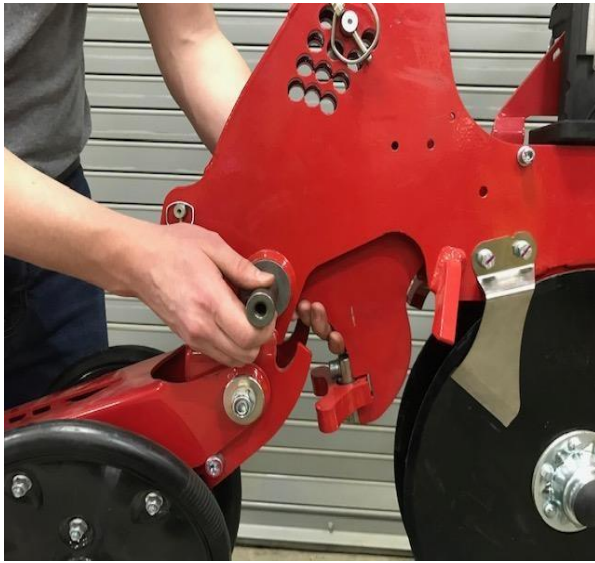
Using a 10MM combination wrench or socket wrench, remove the bolt in the middle of the row unit shank, as seen in the picture below. When removing the bolt, the rocker arm assembly will pivot or drop down as show below.

** In some row unit models, it may be necessary to also remove the opener disc scraper assembly in order to provide clearance for the rocker arm assembly to be removed.*



Step 4

Hold the rocker arm assembly with one hand and, with the other, pull the gauge wheel arm axle that slides through the row unit shank. **If the axle does not slide freely, use a rubber mallet and/or a brass punch to hammer out the axle.* Once the axle is removed, nothing will be holding the rocker arm assembly in place. To remove the rocker arm assembly, move it as far forward as possible between the opening disks, as shown in the right-hand picture below. Then, rotate the rocker arm assembly downward to remove the rocker arm assembly.



Step 5

Place the rocker arm assembly in a bench vise and remove the rocker arm and bolts with an 8MM Allen wrench.



Then, install the rocker arm onto the Precision Planting Load Sensor using the original pin, socket head bolts, and lock washers as seen on the right.



Step 6

Align the largest hole on the Harness Routing Bracket with the hole on the Precision Planting Load Sensor and lay the bracket flat against the Load Sensor. The bracket should be installed on the left hand side (from the back of the planter) of the Load Sensor. *Hold the load sensor and harness bracket as pictured during installation ->*

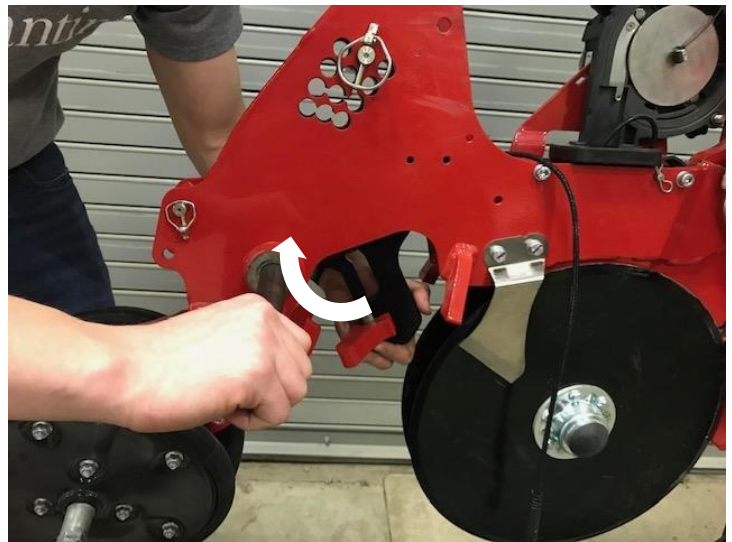


Step 7

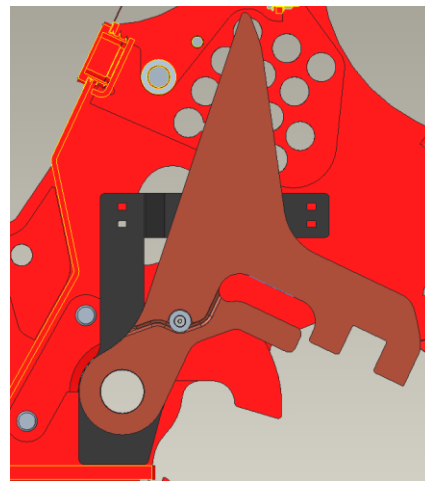
Install the Load Sensor back into the row unit shank, leading with the pointed end of Load Sensor first and sliding the sensor all the way forward (between the opening disks). Then rotate the end with the circular end into place without pinching the harness. Be sure to keep the hole in the harness bracket aligned with the hole in the load sensor.



Reinstall the gauge wheel arm axel into its original location, so that it goes through the Load Sensor and the Harness Routing Bracket.



When installed, the harness bracket should be positioned as pictured.



Step 8

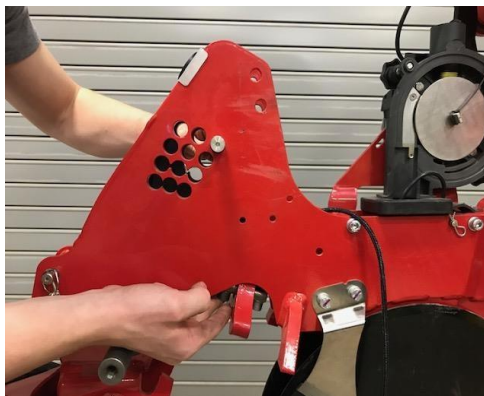
Route the harness to the SRM, ensuring the harness is not pulled too tightly, but tight enough that the harness will not get caught or pinched by any moving row unit components.



Remove the depth setting pin and rotate the Load Sensor all the way back (toward the closing system) so the rocker arms contact the underside of the row unit shank.

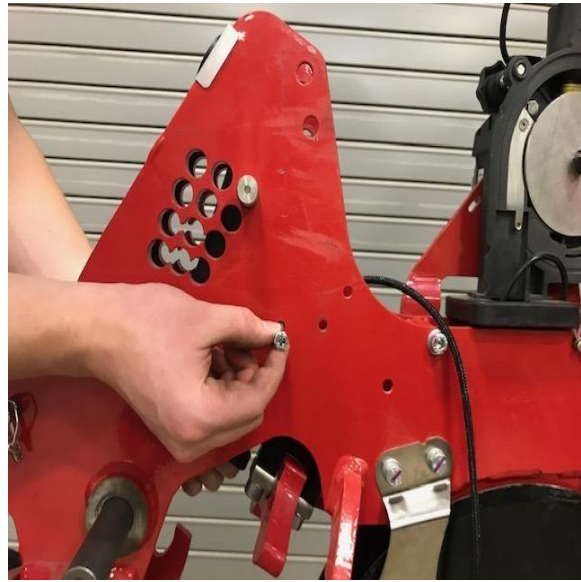


Reinsert the depth pin into the hole that is highest and closest to the planter bar. This will hold the Load Sensor out of the way for the next step.



Step 9

Install the 10 MM bolt and lock nut that was removed in Step 3. If applicable also reinstall the opening disc scraper assembly.



Step 10

While supporting the Precision Planting Load Sensor (with one hand under the row unit shank), remove the depth pin. Allow the Load Sensor to rotate into its proper location. Reinsert the depth pin into the desired hole to set planting depth.



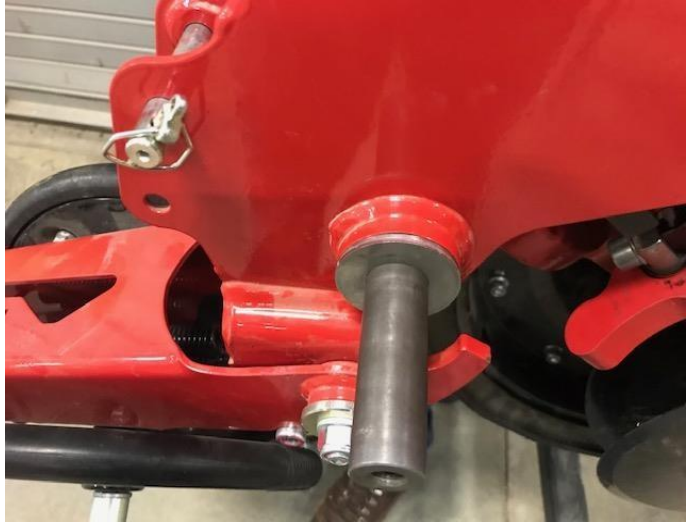
Step 11

Tighten the two hex-head bolts that were loosened in step 2.



Step 12

Reinstall the original shimming onto the gauge wheel arm axle before installing the gauge wheel arm back onto the row unit.



Step 13

Reinstall the gauge wheel arm and gauge wheel on both sides of the row unit, along with any shims or washers that were originally removed.



The Cal Factor for the Horsch Load Sensor is 209.