

Lexion 9 Inch Elevator Flow Sensor Shim Check

YieldSense™

After installing the flow sensor mount and the chain and paddle assembly, check the flow sensor shims by using the provided gauge.

Step 1: Prepare to gauge the number of shims required to properly align the flow sensor. Take the Shim Gauge in hand and bend the long arm 90° to the side.

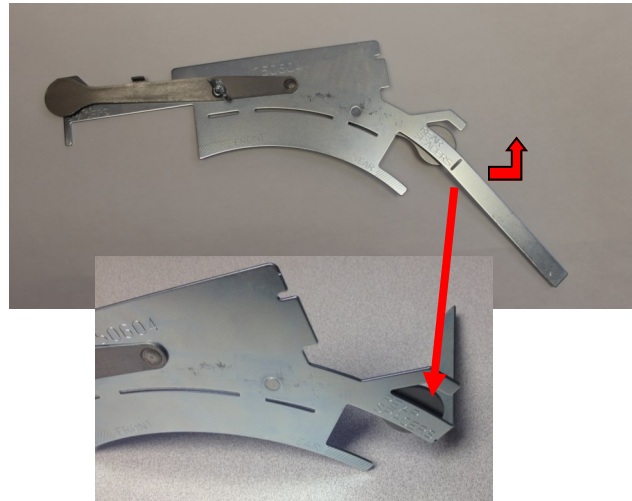


Figure 1

Step 2: Remove flow sensor from the mount. Remove and save shims.



Figure 2

Step 3: Insert the tab on the front end of the Shim Gauge into the middle flow sensor hole. Rotate the Shim Gauge so that the bent end contacts the side of the mount to ensure that the gauge is square to the hole.



Figure 3

Step 4: Rotate the chain until a paddle aligns with the rear position marked on the Shim Gauge.

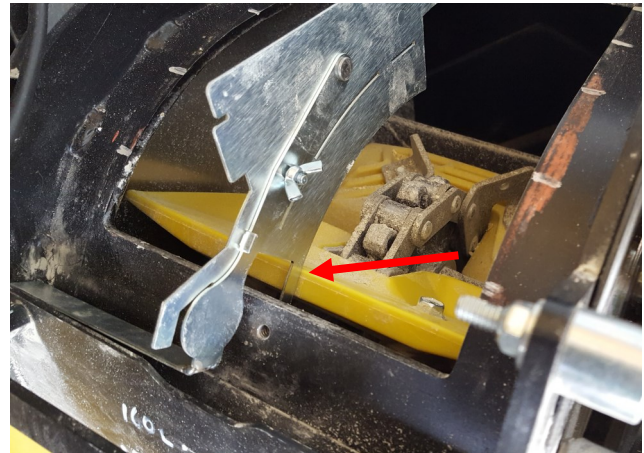


Figure 4

Step 5: Loosen the rear lobe on the Shim Gauge and slide the lobe down until it contacts the top of the elevator. Tighten the wing nut with the rear lobe resting on the flow sensor mount.

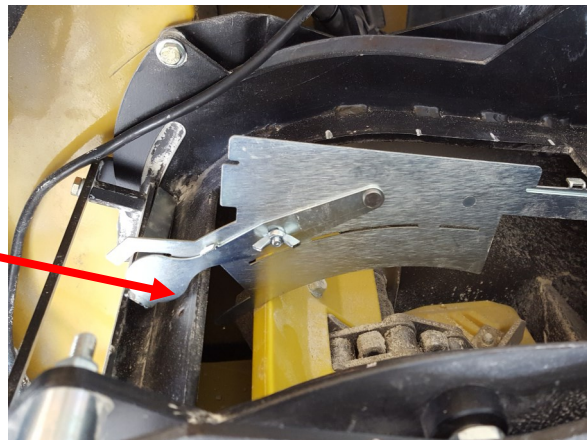


Figure 5

Step 6: Move the same paddle to the front position on the gauge. Loosen the front lobe on the Shim Gauge and slide the lobe down until it contacts the top of the elevator. Tighten the wing nut with the front lobe resting on the mount.

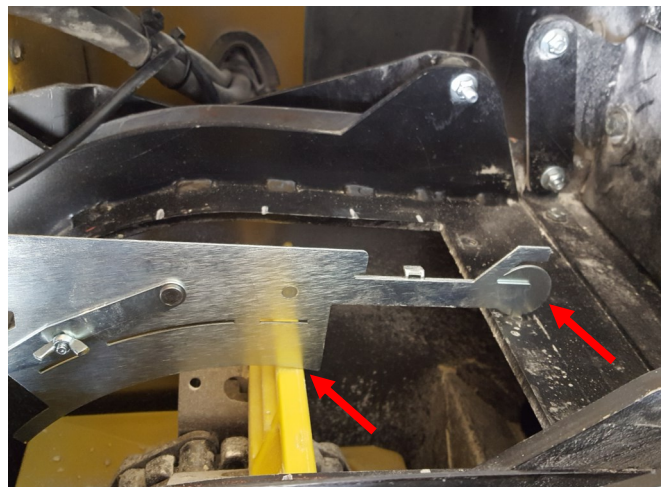


Figure 6

Note: Repeat steps 3 - 5 until the paddle follows the curve of the Shim Gauge.

Step 7: Move several paddles past the Shim Gauge. Verify that the paddles follow the curve of the gauge and they neither contact the gauge nor leave large gaps.



Figure 7

Step 8: Remove the Shim Gauge from the hole and determine the number of shims needed in both the front and rear gaps. Only use the number of shims that will easily fill the gap—do not force.

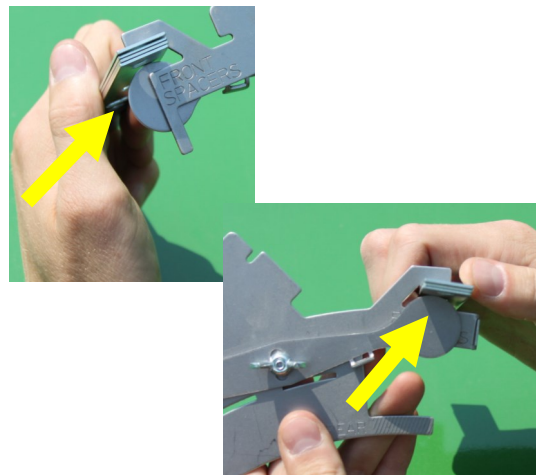


Figure 8

Note: The number of required front and rear shims may be different.

Step 9: Install the number of shims determined in step 8 between the spoiler and the flow sensor on the top/front end of the flow sensor.



Figure 9

Step 10: Install the number of shims determined in step 8 on the bottom side of the lower end of the flow sensor.



Figure 10

Step 11: Reinstall the flow sensor. Torque the five 1/4" bolts to 6 lb-ft.

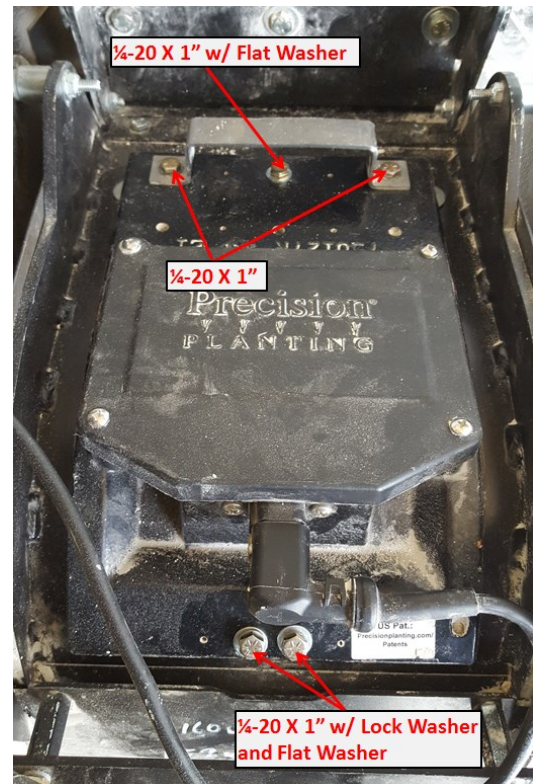


Figure 11