

BinMaxx

Installation Inspection Guide



Air-Weigh Customer Support: 888-459-3247

This checklist should be used to help ensure best accuracy with the BinMaxx scale. The checklist is for scales purchased and installed after February, 2016.

✓	DETERMINE	TEST
	Arm sensor bolts torqued to 120 ft/lbs	use torque wrench with 22mm socket
	Arm sensor brackets positioned to the front of the center of the arm but not into the forward curve of the arm	visual inspection
	Arm sensor brackets evenly aligned in all directions	slide your hand up and down and side to side and ensure all surfaces are flush
	Arm sensor brackets flush with arm	
	Arm sensor cable protected as it runs down the arm	visual inspection
	Arm sensor cable tie wrapped approximately every six inches	visual inspection
	Arm sensor output between 500 and 1500 (see Section I.)	use display in cab
	Do the prox sensors activate at the proper heights? (low between 48" and 52"; high between 98" and 102")? (see Section II.)	use tape measure and cab display
	Once activated, prox sensors remain activated as arms reach hopper and return	use display in cab
	Is the COMLINK in the cab, in a protected area?	visual inspection

For more details or best practices, visit www.Air-Weigh.com/support.

I. Checking A/D Values

A/D values should ONLY be checked when there is NO WEIGHT ON THE FORKS and the torque tube is lowered close to the ground.

1. Turn the vehicle on to power the scale.
2. Turn on your scale display. Press **ESC** until you see **PRINT, ERASE** blinking at the top of the screen.
3. Scroll down to **DIAGNOSTICS** and press **OK**.
4. Scroll down to **ECU** and press **OK**.
5. **SENSOR DATA** will be blinking. Press **OK**.
6. The screen will display **LT SENSOR** and **RT SENSOR** with numerical values. These are your A/D values and they should be between 500 and 1500.

These numbers assume that the sensors have already been broken-in. See the BinMaxx Installation Guide for more information.

7. If your sensors are not between 500 and 1500, please refer to the troubleshooting guide in your **user manual** for instructions on how to set the values correctly.

II. Checking Prox Switch and Target Distance

When either the low or high-prox switch is **NOT** activated (i.e. the target plate is **NOT** in front of the appropriate prox sensor), the value displayed should be between 0 and 5. When either the low or high-prox switch **IS** activated, the values displayed should be a four digit number.

A two or three digit sensor value is an indication that the prox sensor is either too far away from the target plate or that there is a problem with the sensor cabling.

1. Start the truck. Lower the fork torque tube near the ground.
2. On the BinMaxx display, enter the following key sequence:
 - Hit **ESC** until **DIAGNOSTICS** displays at the bottom of the screen
 - Scroll down to **DIAGNOSTICS** and press **OK**
 - Scroll down to **ECU** and press **OK**
 - Sensor Data will be flashing; press **OK**
 - Press down arrow to **Prox Switch** and press **OK**
3. Slowly raise the fork torque tube until the **LO PROX** value on the display changes from a single digit number to a four digit number. Try to stop at the **EXACT** spot at which it changes to a four digit number. Measure how far the center of the fork torque tube is from the ground, at the **EXACT** spot that the change took place. This needs to be approximately 50" from the ground (anywhere between 48" to 52" is fine). If it is not, proceed to "**IF THE PROX ACTIVATION HEIGHT IS OUT OF SPEC**" in the troubleshooting guide in your **USER GUIDE** to adjust the activation height.
4. Next, slowly raise the fork torque tube until the **HI PROX** value on the display changes from a single digit number to a four digit number. Try to stop at the **EXACT** spot at which it changes to a four digit number. Measure how far the center of the fork torque tube is from the ground, at the **EXACT** spot that the change took place. This needs to be approximately 100" from the ground (anywhere between 98" to 102" is fine). If it is not, proceed to "**IF THE PROX ACTIVATION HEIGHT IS OUT OF SPEC**" in the troubleshooting guide in your **USER GUIDE** to adjust the activation height.



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