

Step 1: Install the laser mounting L-bracket directly above the grader blade on a flat surface, typically the plate/disk. Locate an existing bolt on the spine/neck of the grader frame above the selected flat plate to use as the bracket mounting location. Using an existing bolt will eliminate the need to drill into the steel. Mount the L-bracket, then install the laser device using the supplied nuts/washers.



Step 2: Insert the orange 90-degree connector into the top of laser and tighten the waterproof ring until snug



Step 3: Run harness wiring back to the grader cab, use wire ties to secure along the spine. Insert other end of harness through an existing or drilled access hole into cab. Use grommet and/or silicon caulking to seal.



Step 4: Find location to mount the monitoring device within (most typical) or outside the cab. The device **MUST** be able to receive both GPS satellite and cellular signal to operate. The device can be mounted high in the cab with a window view but avoid placement near an operator's head. In-dash mounting is preferential provided there is no steel obstructing the signal. but not near electronic components such as a stereo. **DO NOT MOUNT YET.**

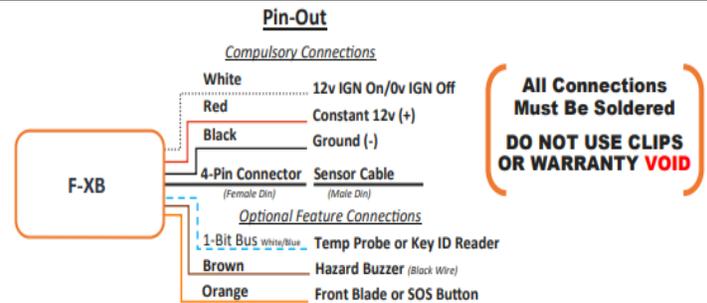


Step 5: Locate the round DIN connector on the device harness. Join it with the laser harness and tighten the waterproof ring until snug.



Step 6: You will now need to connect the **compulsory 3 wires** from the monitoring device’s harness. You may also connect the optional feature wires as per wiring diagram.

Then mount monitoring device to selected location and wire-tie harness. Installation is now complete.



Testing the Device

Step 1: Check Cellular & GPS Satellite Signals

Confirm green GPS lock & amber cellular network lights are solid (not flashing)

Notes: Vehicle must be outdoors to activate GPS signal
Cellular & GPS Lock may take up to several hours



Step 2: Setting the Blade Height Threshold (blade down position)

- 1) Once installed, determine the threshold height. Start with the blade as high up as possible.
- 2) Begin lowering the blade until considered “down”. To avoid “feathering”, raise the blade 1-2 inches. (If you cannot determine the blade threshold, lower the blade 6 inches from max height.)
- 3) At this point adjust the sensor by rotating the top black dial to the “unlock” position.
- 4) Starting from 0, rotate the lower orange dial until the amber light on the device turns on.
- 5) Rotate the top black dial to the “lock” position.

Note: When the light is ON, the blade is UP. When the light is OFF, the blade is DOWN