

Procedure for setting Factory set potentiometer on *BinMaster Pro* series capacitance probes after field replacement of a circuit board assembly.

This procedure works for all *BINMASTER PRO* series capacitance probes, PRO I, PRO X, PRO IIX, PRO IIIX, and PRO Remotes.

1. Either mount the capacitance probe or support it in such a way that the probe is not touching anything and is not close to something grounded.
2. Set the COARSE potentiometer to the 11 o'clock position.
3. Turn the FINE and the Factory set (covered by the rubber boot) potentiometers full counter-clockwise. With power applied, the covered LED should be ON.
4. Turn the Factory set potentiometer clockwise to the point where the LED just turns OFF.
5. Now turn the Factory set potentiometer counter-clockwise until the LED just turns ON.
6. This is the position for the Factory set potentiometer, replace the rubber boot on the Factory set potentiometer.

Testing *BINMASTER PRO* series capacitance probes

1. Calibrate the probe by turning the COARSE and FINE potentiometers full counter-clockwise.
2. Turn the COARSE potentiometer clockwise until the covered LED just turns ON.
3. Turn the FINE potentiometer clockwise until the covered LED just turns OFF.
4. Continue to turn the FINE potentiometer another 1/16 to 1/8 of a turn past where the covered LED turned OFF.
5. Move your hand close to the probe. The capacitance probe should switch to a covered indication when your hand gets close to the probe.
6. The relay contacts can be checked for continuity with an ohmmeter or continuity test. Check to see that the contacts change position when the capacitance probe changes from uncovered to covered. If the Time Delay potentiometer is set for a delay the relay contacts will not change position until the delay has timed out.