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11-065 Raster Size Modification

The raster size potentiometers that are used in the 11-065 ion gun control are coarse single turn potentiometers that make it difficult to accurately reproduce raster sizes. By replacing the single turn potentiometers with 10-turn 1% potentiometers, the accuracy of the raster sizes is greatly improved. This will improve the repeatability of your sputter rates when changing raster sizes.

When you replace the 25 k Ω 1-turn deflection potentiometers in the 11-065 with 25 k Ω 10-turn potentiometers, note that CCW = black and CW = solid brown. The other wires are the wipers.