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TECH CORNER

WestRock ESC Wiring

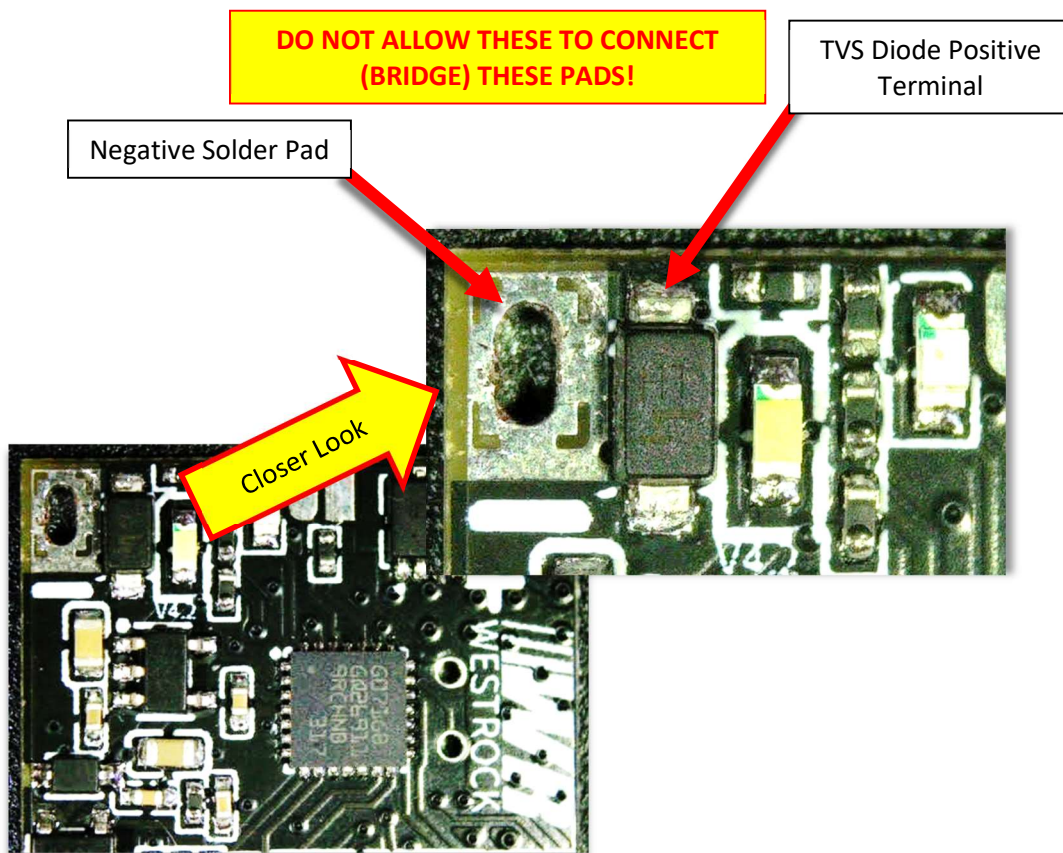
The negative solder pad of the ESC for wiring to guide brush is a critical location to be careful when soldering to the ESC. To the right of the pad is the TVS diode that protects the ESC from reverse polarity and voltage ESD spikes.



WARNING - If you connect (bridge) the negative pad to the top pad on the TVS diode you are creating a direct short on the ESC from negative to positive. If this occurs the ESC will immediately fail from the short circuit. If you continue to apply voltage to the car in this condition you will cause extreme heat in the ESC melting solder, melting copper traces, burning out components and potentially causing a fire.

Always remember – If your slot car does not move let off the throttle, set down your controller and find out what is happening!

Any ESC with a burnt out TVS diode will not be considered for warranty coverage.



Now Get out... Go racing... and most of all enjoy!