## **Trimpot Adjustment for the 245328 Electric Joystick**

The following document provides instructions for the proper adjustment of the 245328 Electric Joystick. For specific wiring diagrams, consult the parts manual provided with your machine.

## **Trimpot Adjustment - General Information**

Adjust the trimpot by turning the adjustment screw. The trimpots are multi-turn, end to end devices. It may be necessary to turn the adjustment screw several turns to observe a change in output. See **Figure 1** for an illustration outlining trimpot adjustment.



## Adjustment Procedures

Although the following adjustments affect the current/voltage or percentage of duty cycle, the best way to adjust the function is to observe the response or speed of the function. The following adjustments affect function response, or speed. There may be some interaction between adjustments, making it necessary to repeat the adjustment in order to achieve the desired response.

"Threshold" Adjustment: Adjusts the initial current flow or duty cycle, affecting the function response, or speed when the handle is first moved from the off position. To adjust the threshold, deflect the handle slowly to the position where the controller first turns on. Adjust the threshold trimpot screw one full turn in the counterclockwise direction. This adjustment should be completed prior to performing the maxout adjustment.

"Maxout" Adjustment: Adjusts the full stroke current or duty cycle affecting the maximum function response, or speed when the handle is deflected to its full travel. To adjust the maxout, fully deflect the handle, and adjust trimpot for maximum desired function response or speed. To obtain proportional resolution, it is important that the function starts to slow down as soon as the handle is moved back from the fully deflected position.

The ideal adjustment occurs when the function just begins to move when the handle is deflected, and the output increases until it reaches its maximum desired response or speed at the end of handle travel.

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