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Instructions to Program Golf Car Throttle
F-Series Motor Controller

SW Version: 1.10 and up

Disclaimer: Changes to the programming, through which this manual gives instructions on how to perform, are straightforward. Making changes to certain parameters can lead to a situation where the user can lose control of the vehicle, which can lead to injury or death. Care should be taken to read the instructions and understand them thoroughly before making any changes to the parameters.

CAUTION: DO NOT HANDLE THE ELECTRICAL CONNECTORS WHEN THE SYSTEM IS ENERGIZED. DOUBLE CHECK THE VOLTAGE POTENTIAL WITH A VOLTAGE METER PRIOR TO HANDLING. FAILURE TO DO SO WILL RESULT IN INJURY OR DEATH!

Golf Car Throttle Programming

Scope: The HPEVS golf car software package developed for the F-series Curtis AC motor controller utilizes the Curtis 3140 display in tandem with the golf cars throttle pedal and key switch to program dead band and maximum inputs of the golf cars throttle into the motor controller input parameters. This procedure needs to be performed the first time after the system has been installed and is functional, or anytime a throttle unit has been replaced.

PROCESS: To program the motor controller to the golf cars installed throttle:

1. Turn off the golf car.
2. Make sure the forward/reverse switch is in the neutral position.
3. Fully depress the throttle to the floor.
4. Turn on the golf car.

If the above process was done correctly, the 3140 Curtis display should be displaying the following:



5. Return the throttle pedal to the neutral position, foot off of the throttle.
6. When the throttle returns to the neutral position, the dead band will now need to be programmed. The 3140 display will show the following.



7. Slowly depress the throttle foot pedal until the display shows that the dead band has been set. The 3140 display will show the following when the dead band has been set. The numerical value will or will not be the same as shown.



8. After the dead band has been set, the 3140 display will instruct the user to turn off the system. The 3140 display will show the following.



9. The motor controller is now programmed with the throttle inputs. Cycle the key switch and drive the car to verify the throttle functionality.