



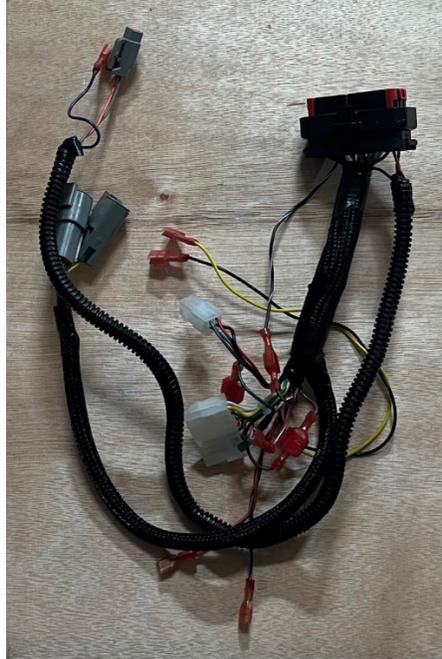
**2022 Club Car Onward Throttle Parameter Changes
Using 1313 Curtis Handheld Programmer
With Throttle Wiring Connection Changes**

09-20-2022

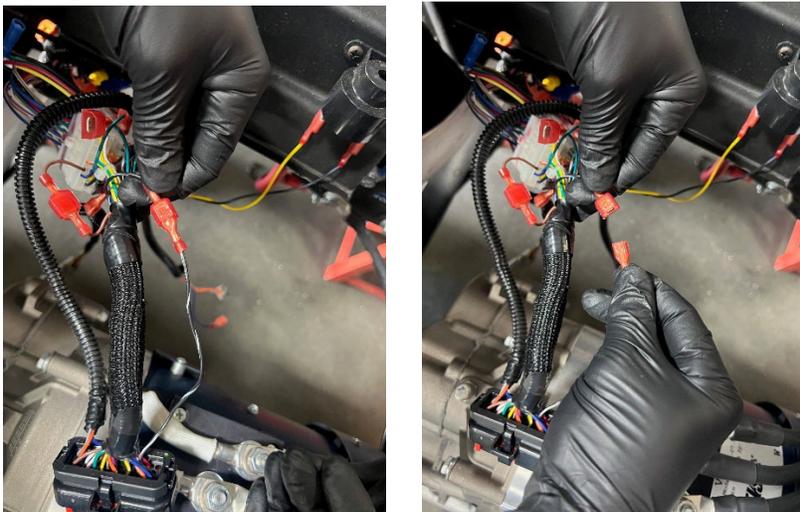
WIRING CONNECTIONS NEEDED TO BE MADE FOR 2022 AND UP CLUB CAR ONWARD

NOTE: Starting with the model year 2022 of the Club Car Onward, the vehicle now uses a fully electronic throttle. The wiring harness that is provided by HPEVS now has new connections that need to be made to have a functional throttle. The following instruction set will guide the installer.

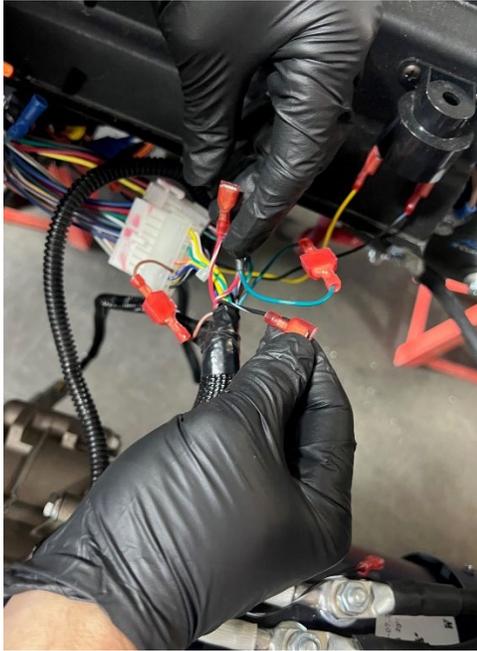
1. Locate the provided wiring harness from HPEVS.



2. The Black/White within the HPEVS wiring harness is now connected using a 3/16" quick disconnect plug. Disconnect this connection.



3. Locate the Red/White wire that has a 3/16" female quick disconnect. Connect this wire with the Black/White wire that has the 3/16" male disconnect.
4. Connect two Green Wires together.



NOTE: Please read this manual thoroughly prior to downloading firmware

Scope: This instruction set describes the procedure to change the parameters in the Curtis F-Series motor controller using the Curtis 1313 Handheld programmer.

Tools Needed

1. Curtis Instruments 1313 Handheld Programmer
2. Curtis Handheld CAT-5 to DB-9 dongle
3. 2 - AA batteries
4. DB-9 pin connector to 6-pin Molex connector or DB-9 to 4-pin Molex connector



Curtis Handheld DB-9 dongle



1313 w/dongle attached



DB-9 to 6-pin Molex

CHANGING PARAMETERS IN THE F-SERIES MOTOR CONTROLLER

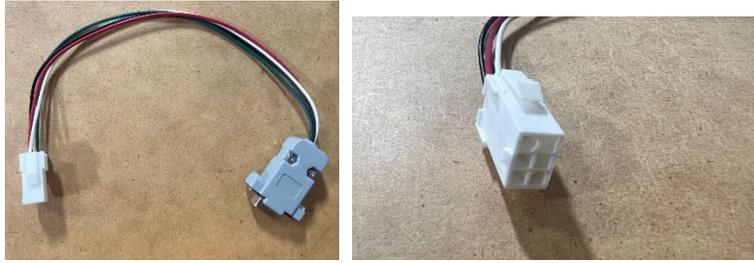
1. Install the 2 AA batteries in the 1313 Handheld programmer.
2. Locate and attached the DB-9 dongle to the bottom port of the Curtis 1313 handheld programmer.



3. Disconnect the 6-pin Molex plug that is attached to the 3140 Curtis display.



4. Locate the DB-9 plug to 6-pin Molex connector pigtail that was provided from HPEVS. If one of these pigtails was not provided, contact HPEVS for a replacement.



5. Plug in the DB-9 connector from the 1313 Handheld programmer into the DB-9 to 6-pin Molex connector.
6. Plug in the 6-pin Molex connector from the DB-9 to 6-pin Molex connector into the 6-pin Molex connector from the 3140 Curtis display.



7. Power on the motor controller.

CONNECTING TO THE MOTOR CONTROLLER DEVICE

1. After the 1313 Handheld has finished searching for nodes, the main screen will be displayed (Devices tab will be highlighted). With the “Devices” tab highlighted, press the top right button; under the “Select” dialog on the screen to open. (Fig. 1)



Fig. 1

2. With the “Devices” tab open notice the device list. With the device selected that needs to be connected to press the top right button under the “Connect” dialog displayed on the screen. (Fig. 2)



Fig. 2

3. The handheld will return to the main screen and will also display a progress bar located at the bottom of the screen. (Fig. 3)



Fig. 3

ACCESSING THE MOTOR CONTROLLER PARAMETERS

1. Using the right arrow on the handheld programmer, scroll over and highlight the “Programmer” tab. Press the button under the “Select” dialog box to open. (Fig. 4)



Fig. 4

2. With the Programmer screen open, press the down button to highlight “User Settings”. Press the right arrow on the handheld programmer to enter this folder. (Fig. 5)



Fig. 5

3. With "User Settings" open, once again, use the down arrow to highlight "Throttle". Press the right arrow to enter the "Throttle" parameter block. (Fig. 6, Fig.7)



Fig. 6



Fig. 7

CHANGING THE MOTOR CONTROLLER PARAMETERS

1. With the “Throttle” folder open note the four parameters. Using the down arrow highlight the “Pedal Interlock Type” parameter. To change this parameter from “Normal” to “Electronic Onward” depress the “+” button. (Fig. 9, Fig. 10)

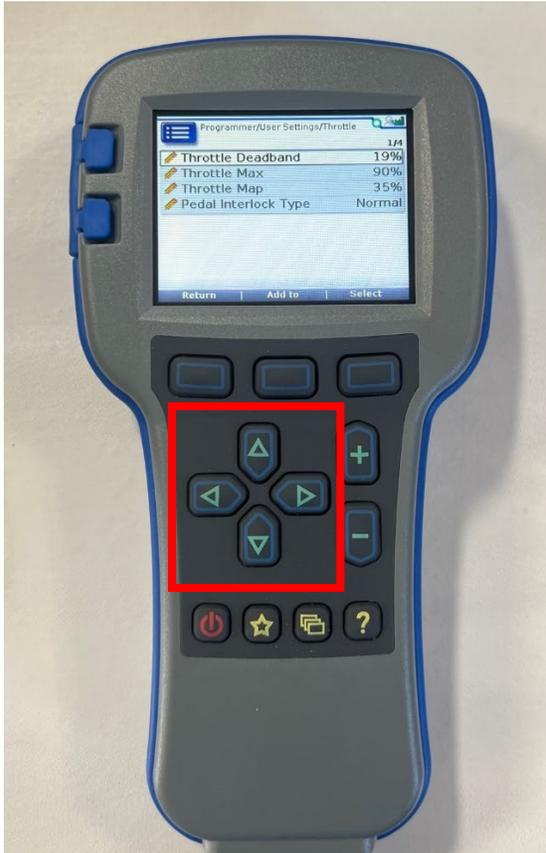


Fig. 9



Fig. 10