Code 5 Programmer tm Sequence of Operation

While holding the Code 5 Programmer tm in hand, (wire out the top and switch at the bottom) you have three programming modes: 1) Right position is Speed Mode, 2) Left position is Torque Mode and 3) Center position (straight up and down) is stock mode.

Precedent tm carts: the programming port under the dash below the key switch
DS tm carts: the programming port under the forward / reverse switch or tucked away in the battery compartment.

Programming is very easy and takes about 45 seconds. First, decide which program you want to use (speed). Second with programmer in hand (as above), move the switch to the desired (speed setting) position. Third, put your cart into **netural**, and the **tow run switch** into **TOW MODE**. Fourth, plug the programmer into your programming port, and… Fifth, put the **Tow / Run Switch** into **RUN MODE**, Sixth, turn the Key switch to the ON position, while watching the lights on your programmer.

The first sequence of flashes is the software version of the Code 5 Programmer tm – Below are the current Versions and their uses.

1.   **6.6.3.3   HO High Output AMD Motor (For lifted & stock carts)**
2.   **6.6.4.2   HO High Output GE Motor (For lifted & stock carts)**
3.   **6.6.5.2   HO High Output AMD Motor With MCOR**
4.   **6.6.6.2   HO High Output GE Motor With MCOR**
5   **3.2.9.4   And all other speed motors use torque mode only**

If at any time during this phase it flashes 5 times, pauses, and flashes 5 times the unit is not communicating with the controller and will shut down.

The next sequence of flashes indicate the programmer is sending serial data (4) and if serial data is returned another (4)

Programming Mode (below)
STOCK MODE: led flashes one time, pauses, flashes one time, pauses, for 10 cycles of ONE flash.
SPEED MODE: led flashes two times, pauses, flashes two times, pauses, for 9 cycles of TWO flashes.
TORQUE MODE: led flashes three times, pauses, flashes three times, pauses, for 9 cycles of THREE flashes
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After programming in any of the three modes above, the programmer will flash FIVE times, pause, then flash FIVE more times and turns off. At this time the programmer should be unplugged and put away until a change in programming is needed.

Again if the programmer flashes 5 times, pauses, and flashes 5 times again at any time other than end of programming cycle, the Code 5 Programmer is not communicating with the controller. The 5-5 flash is telling you the Code 5 Programmer is about to shut down and you only want to see this at the end of the programming cycle.

MCOR or Throttle Check:
The MCOR version serially asks the controller what throttle position it is currently seeing at its throttle input pin. With the cart in neutral (forward reverse switch) slowly push the Pedal until the light sequence changes from **2 seconds off 3/4 second on**, to **2 seconds on and 3/4 second off** this tells you the controller is seeing 95% or better throttle input.