Programming Python Tilt Sensor (ver.33)

Tools required to replace and reprogram the Python

- 9/16 wrench (remove motor cover)
- 5/32 wrench (remove position sensor)
- Small flat head screwdriver (for terminal block wiring)
- Medium flat head screwdriver (for removing cover on j-box)
- Side cutters (for removing the tie strap on the old sensor)
- 1/8 Allan key for setscrews
- Extension cord (for locations that do not have 115 volt receptacle available at control panel)

Replace the Position Sensor with the Tilt Position sensor

1. **Turn Power OFF to the Restraint unit**.
2. Remove the Motor Cover
3. Remove the Old Position Sensor and Magnet Cap
4. Install the New Tilt Position Sensor on the Hook Shaft. See Photo.
5. Replace Motor cover after you finish testing unit.

Reprogram the Circuit board.

1. Plug in the programmer. You will require 115 Volt outlet to plug in the Programmer. (you may require an extension cord if one is not close by)
2. With the power on to the circuit Board (Restraint), plug in the ribbon cable. See Photo
3. Press and wiggle the start button on the programmer. This will download version 33 to the circuit board. Success!
4. Turn power off to the Circuit Board (Restraint).

Perform a setup for the New Tilt Position sensor.

Hook Down

Hook UP -see set screw

Plug in cable – This side up!

Press “Start” - Success! - unplug and do Limit setup.

<u>To perform the Start Up sequence</u>

*Turn power to control panel “OFF”.

* Turn or press and hold “BYPASS” while turning power back ON”. Do Not let go.

* Hold until screen display reads: “HOOK PARKED” (after 6 beeps)

*Release the Bypass.

*Turn or press “BYPASS” and release to set top limit.

* Hook will go all the way up, stop and go back down. You are done! *Hook is ready to use!