

## FOOT PEDAL SENSOR CHANGE

This document is to inform service technicians of a change to the foot pedal sensor. The previous foot pedal sensor was changed from our supplier that resulted in a change as well to the rotor shaft and the calibration.

### MQ P/N 22710-SK – New Pedal Sensor Kit



*Kit consist of the new sensor and new foot pedal rotor shaft*

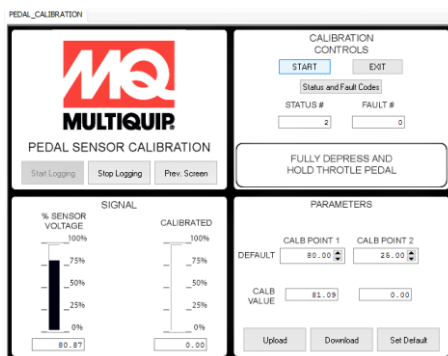
**NOTE:** Technicians not familiar with the calibration of the foot pedal sensor must first study the procedure in the [Setup, Adjustments and Calibration Manual](#).

**NOTE:** The new foot pedal sensor uses a reversed signal from the previous one. The sensor still works on a 5vRef circuit. The signal wire however is returned on a reversed scale.

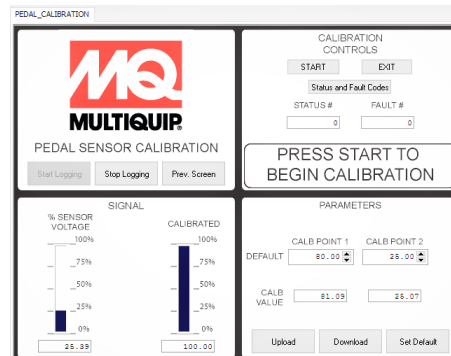
On the older sensor, the signal wire returned zero volts when not rotated and 2.5 volts when half way rotated and finally, 5 volts when fully rotated.

The new sensor works in reverse. When not rotated the signal wire will report 5 volts. When fully rotated it will report Zero volts.

Presetting the sensor: When preparing the sensor for calibration, it must be mechanically preset. Since the signal is reversed, the preset target is now “80% Sensor Voltage”, plus or minus 5%. Allowable range is 75% ~ 85%.



*Pedal Released*



*Pedal Depressed*