

# ***Dakota Digital***

## **SGI-6**

### **SPEED RECALIBRATION UNIT FOR HARLEY DAVIDSON ELECTRIC SPEEDOMETERS**

When changing the gearing or tire size of newer cycles the speedometer is no longer calibrated correctly and your speedometer reading is incorrect. The SGI-6 will allow you to adjust speedometers connected to transmissions with stock electric speed sensors. These transmissions have a sensor mounted on the side of the case that reads one of the final drive gears.

The SGI-6 has an adjustable range of correction from x2.00(double) to x0.502(half) which is broken into 256 steps. Calibration is set using the two push button switches. Press the UP button to increase the speed. Press the DOWN button to decrease the speed. The unit has an internal memory which stores the calibration when the bike is turned off.

The connection is as follows:

1. Locate the three pin, triangular connector between the speedometer and transmission speed sensor.
2. Unplug the connector.
3. Plug the SGI-6 into the two mating connectors. The SGI-6 will now be in between the speedometer and transmission speed sensor.
4. Calibrate the speedometer. (see steps below)
5. Secure the SGI-6 into the harness on the bike so it is not hanging loose.

The calibration is as follows:

1. Follow a vehicle going at a set speed or time yourself driving one mile so you know what your speed should be.
2. Press the UP or DOWN button while you are driving to change the speedometer reading until the speedometer is correct. *The bike must be moving in order to adjust the speedometer.*
3. After the SGI-6 has detected that no buttons have been pressed for a time, the new calibration is stored.

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