

## CORRECTION FORMULA - PROGRAMMABLE TACH/HOURS (HIGH FREQUENCY MODELS)

If after installation, the calibration is not giving you correct readings, you can follow this procedure to correct the calibration. Multiply incorrect RPM reading by the switch setting (Full Scale Frequency), and divide the result by the actual RPM. This will give you a new Full Scale Frequency. Change the switches to the new frequency and re-test the Tach/Hourmeter.

**A typical example:**

Actual RPM is 2000, indicated RPM is 1800, with switches set for 1624 Hz. F.S.F.

$$1800 \times 1624 = 2,923,200$$

$$\text{Divide } 2,923,200 \text{ by } 2000 = 1461.6$$

1461.6 is the new frequency.

Refer to Figure 1 below, and the Chart in the Installation Instructions S034, and set switches 1-6 for this frequency. You may have to reset the Divide Number Switches (7-10) and/or the Filter Number Switches (12-14) as well. The Tachometer should now read correctly.

**From the example above, the Chart shows:**

Frequency in Hz.	Program No.	Divide No.	Filter No.
1600 TO 1624	011101	0001	000

**Reset to:**

Frequency in Hz.	Program No.	Divide No.	Filter No.
1454 TO 1466	010100	0001	101

