

CORRECTION FORMULA - PROGRAMMABLE TACH/HOURS (LOW FREQUENCY MODELS)

Multiply incorrect RPM (tachometer reading) by the switch setting (Full Scale Frequency), and divide the result by the actual RPM (measured on the test tachometer). 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 208 Hz. F.S.F.

$$1800 \times 208 = 374,400$$

$$\text{Divide } 374,400 \text{ by } 2000 = 187.2$$

187.2 is the new frequency.

Refer to Figure 1 below, and the Chart in the Installation Instructions S024, and set switches 1-6 for this frequency.

You may have to reset the Divide Number Switches (7-9) and/or the Filter Number Switches (11-14) as well.

The Tachometer should now read correctly.

From the example above, the Chart shows:

Frequency in Hz.	Program No.	Divide No.	Filter No.
205.1 TO 208.0	100111	001	0000

Reset to:

Frequency in Hz.	Program No.	Divide No.	Filter No.
186.8 TO 189.2	100000	001	1011

