

UDC 2000 TAC Tip

Manual Tuning

Control Configuration

Press **SETUP** key until you see;

Upper Display = **SET**

Bottom Display = **CONTRL**

Press **FUNCTION** key until you see:

Bottom Display = **PBorGN**

Press **▲** key until you see:

Upper Display = **PB**

Bottom Display = **PBorGN**

Press **FUNCTION** key until you see:

Bottom Display = **MINRPM**

Press **▲** key until you see:

Upper Display = **RPM**

Bottom Display = **MINRPM**

Set Initial Tuning Constants

Press **SETUP** key until you see;

Upper Display = **SET**

Bottom Display = **TUNING**

Press **FUNCTION** key until you see:

Bottom Display = **PB**

Press **▲** or **▼** key until you see:

Upper Display = **10**

Bottom Display = **PB**

Press **FUNCTION** key until you see:

Bottom Display = **RATE T**

press ▲ or ▼ key until you see:

Upper Display = **0.0**

Bottom Display = **RATE T**

Press **FUNCTION** key until you see:

Bottom Display = **IRPM**

Press **▲** or **▼** key until you see:

Upper Display = **3.0**

Bottom Display = **IRPM**

Press **DISPLAY** key to exit configuration

Manual Tuning Procedure

Initial procedure

Press **SETUP** key until you see;

Upper Display = **SET**

Bottom Display = **TUNING**

Press **FUNCTION** key until you see:

Bottom Display = **PB**

Press **▲** or **▼** key to double the present value:

(10,20,40,80 ect.)

Upper Display = **(double previous value)**

Bottom Display = **PB**

Press **FUNCTION** key to enter new value:

Press **DISPLAY** Key to exit configuration.

If process response is better continue this procedure

If process response is worse

Change **PROP BD** between last to settings

example: If 40 is worse than 20 try 30

Try for the largest **PROP BD** that will keep the process tuned to your requirements.

The larger the **PB** the more stable the process control.

If Initial procedure fails to tune process

Press **SETUP** key until you see;

Upper Display = **SET**

Bottom Display = **TUNING**

Press **FUNCTION** key until you see:

Bottom Display = **PB**

Press **▲ or ▼** key until you see:

Upper Display = **10**

Bottom Display = **PB**

Press **FUNCTION** key until you see:

Bottom Display = **RATE T**

Press **▲ or ▼** key until you see:

Upper Display = **.75**

Bottom Display = **RATE T**

Repeat Manual Tuning Procedure with new rate constant (.75)