

Adjusting an **ECU®** engine control with pots

Adjusting Crank Disconnect

This adjusts when the starter disengages upon start

Turn the Crank Disconnect adjustment 30 turns counter clockwise. Then turn it about 3 turns clock wise. Try to start the engine. It should crank and stop quickly. If your engine control has an engine started LED it will be lit. Now try turning the crank disconnect adjustment 1 turn clockwise and try restarting the engine. Keep turning the adjustment clockwise and attempting to start until the engine starts reliably. If the Overcrank and Overspeed LED's light at the same time on your unit see the trouble shooting guide for more help.



Adjusting Overspeed

This adjusts overspeed safety trip

Be sure you have adjusted the crank disconnect first. Turn the Over-speed adjustment 30 turns clockwise. Flip Switch 5 to the on position. Start the engine. It should crank and start. If your engine control has an engine started LED it will be lit. Now start turning the overspeed adjustment counterclockwise until the engine control shuts down the engine in an overspeed fault. Turn Sw 5 off. If the Overcrank and Overspeed LED's light at the same time on your unit see the trouble shooting guide for more help.



Adjusting Fault Delay

This adjusts how long engine can run in fault mode

Turn the Fault Delay adjustment 30 turns counter clockwise. This will allow for about 1 second of fault delay. Fault delay is begun after the engine has started. The purpose of the delay is to allow time for oil pressure to build adequately before the oil pressure monitor starts checking the oil pressure sender. High water temperature is also ignored during the fault delay time to allow engine coolant to circulate in the engine.



Adjusting Crank Time

This adjusts starter on time

Turn the Crank Disconnect adjustment 30 turns counter clockwise. Then turn it about 3 turns clock wise. This will allow about 1 second or so of actual engine cranking (starting motor on) time. Each turn up adds about 1 second to the crank time. Adjusting the crank time automatically sets the rest time to the same value.

