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Initial Adjustments for the PM100 Voltage Regulator

Make these adjustments before starting the generator:

<u>Control</u>	<u>Range of Motion</u>	<u>Setting</u>
Coarse Voltage Adjustment	15 turns	Full CCW
Fine Voltage Adjustment (Back of Regulator)	1 turn	Mid Point
Stability Adjustment	15 turns	Full CW
Underfrequency Adjustment	15 turns	Full CCW
Droop Adjustment	15 turns	Full CCW

**A jumper wire must be installed between terminals 6 and 7. Remove jumper after testing is complete.

Make these adjustments during operation:

Coarse Voltage Adjustment - Rotate the control clockwise until the desired voltage is achieved.

Fine Voltage Adjustment - Rotate the control either clockwise or counter-clockwise in order to fine-tune the voltage(if necessary).

Stability Adjustment - Rotate the control counter-clockwise until voltage becomes unstable. Next, rotate clockwise until voltage is just stable. Once the system is stable, interrupt the regulator-input power for 1-2 seconds. If the system is still stable, no further adjustment is necessary. *2-4 TURNS*

Underfrequency Adjustment - Rotate the adjustment clockwise until the underfrequency LED turns on. Next, rotate the control counter-clockwise until the LED just turns off and then keep rotating for an additional quarter turn.

Droop Adjustment - Maintain adjustment at a full counter-clockwise position.