



Technical Service Support Bulletin

Subject: Calibration for 380VAC / 60 Hz
Product: Generators with Electronic Governing
Model(s): DCA-180SSK, DCA-220SSK
DCA-300SSK, DCA-400SSK
DCA-600SSK, DCA-800SSK
Serial #: Standard Units
Bulletin: 2001-2
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Revised Date:

Instructions:

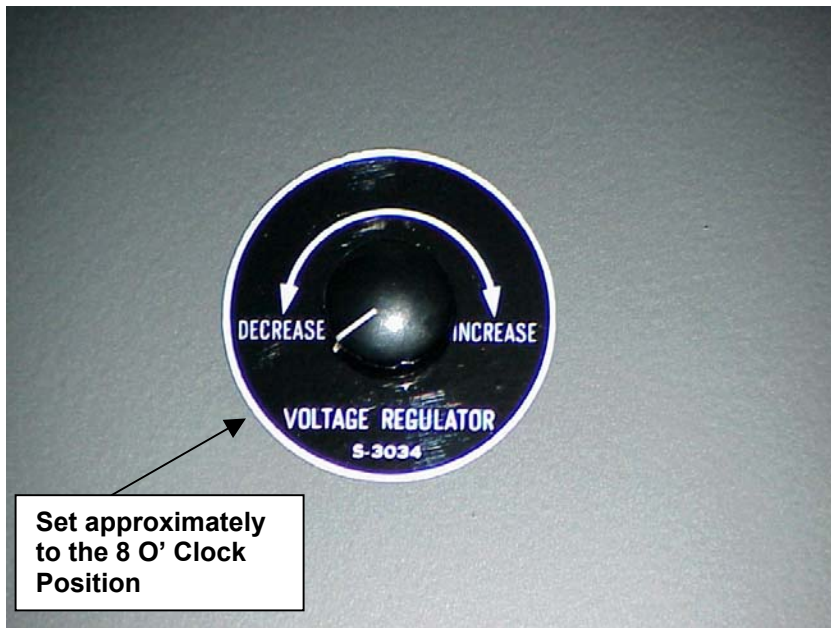


Figure 1 Voltage Regulator Control

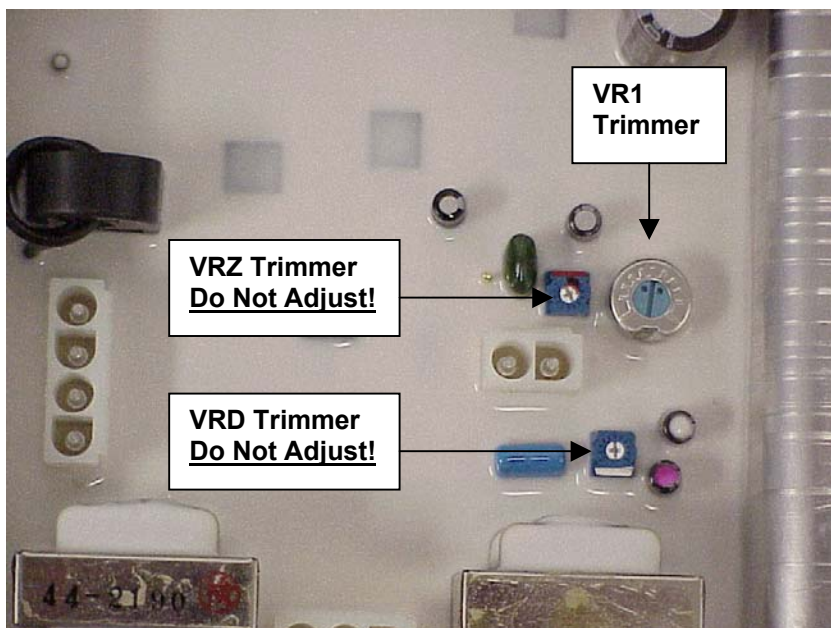


Figure 2 Automatic Voltage Regulator (AVR)

- 1) With the engine in the "off" position (not running). Locate the Voltage Regulator Control on the Instrument Panel. Rotate and set the knob to the 8 O'clock position.
Reference Figure 1
- 2) Check and verify that the Buss Bars are correctly set in the 480V configuration. If not, please reference the Instruction Manual and / or reconnection decals on the unit. Then re-configure to the 480VAC position!
- 3) Now locate the Automatic Voltage Regulator (AVR) within the control box (7.75" x 6.5" Aluminum/Silicone filled controller).
Reference Figure 2
- 4) Locate the **VR1** (trimmer) on the AVR. Adjust the trimmer by rotating Counter-Clockwise 2-3 hash marks. Do not make any adjustments to the VRZ or VRD trimmers. These trimmers are pre-set by the manufacturer!
Reference Figure 2
- 5) Now start the engine in the Low Idle Position. After engine warms-up, switch to full speed.
- 6) Check Voltmeter on Instrument Panel for 380VAC. If less than 380VAC, turn Voltage Regulator Control on Instrument Panel **Clockwise** until 380VAC is achieved.
Reference Figure 1
- 7) If voltage is greater than 380VAC, **Stop Engine!** Re-adjust VR1 trimmer on AVR. Rotate trimmer 1 hash mark Counter-Clockwise on AVR. Repeat steps 5, 6 & 7 as needed to achieve 380VAC.

Notes:

ALL ADJUSTMENTS MUST BE MADE BY A QUALIFIED ELECTRICAL TECHNICIAN. MQ POWER IS NOT RESPONSIBLE FOR ANY DAMAGES TO EQUIPMENT AND / OR COMPONENTS RESULTANT FROM UNQUALIFIED PERSONNEL.