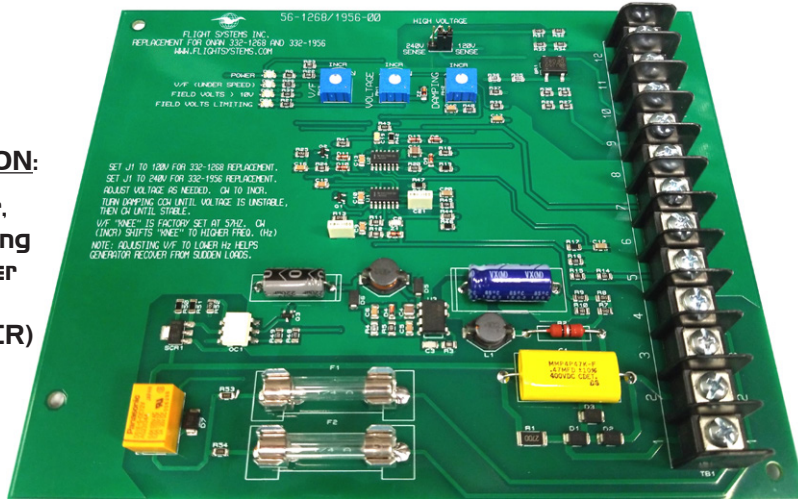


Combination Replacement for VR-2I Regulator Replaces 332-1268, 332-1956, 332-2045



MAINTENANCE SUGGESTION:

When replacing regulator,
we also recommend replacing
SCR Pack to ensure proper
operation.

(FSI P/N: 56-1268/1956-SCR)

LIST OF FEATURES:

- Mounting footprint and terminal locations identical to original board. No modification required to install.
- Heavy conformal coating applied for moisture and vibration resistance.
- Improved power supply promotes cooler and more efficient operation.
- **NEW:** Soft-start, field over-voltage limiting, and open-circuit external pot protection.
- **NEW:** Diagnostic indicators for easier troubleshooting.
- **NEW:** Adjustable under-frequency setpoint (V/F). Factory set at 57Hz.
- **NEW:** User programmable voltage sensing allows one board to cover all variants.

CONFIGURATION:

SHOCK HAZARD: DO NOT MOVE JUMPER WHILE REGULATOR IS OPERATING

- Voltage jumper (**J1**) will be pre-configured for the regulator model that this board was purchased to replace.
- Voltage jumper (**J1**) on **240V SENSE** for 332-1956 and 332-2045.
- Voltage jumper (**J1**) on **120V SENSE** for 332-1268.
- Adjust **VOLTAGE** pot to obtain desired voltage from generator output.
- Adjust **DAMPING** pot clockwise just enough to achieve stability under all conditions.
- **V/F** is adjusted for 57Hz at the factory. This is the point at which reduction of engine speed results in reduction of generator voltage. This feature allows the engine to recover easier from a sudden heavy load and protects appliances from under-frequency. Set to full counter-clockwise to disable V/F function.

DIAGNOSTICS:

Green POWER LED indicates regulator board is getting power.

Green FIELD VOLTS LED indicates field voltage is above 10 VDC.

Yellow FIELD LIM LED indicates field is being limited at 85-90 VDC. Possible high field res. or loss of AC sensing.

Red V/F LED indicates frequency is below setpoint and voltage is being reduced. Check engine speed or adjust V/F.



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