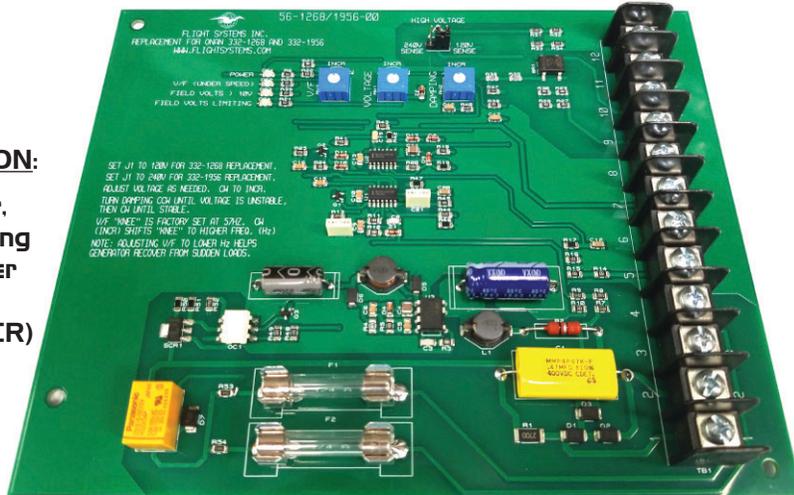


Combination Replacement for VR-2I Regulator

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 **120V SENSE**.
- 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.



FLIGHT SYSTEMS

207 Hempt Rd, Mechanicsburg PA 17050

www.flightsystems.com

Technical Support:

717-590-7330 (8-4:30 ET, M-F)

Fax: 717-590-7327

WARRANTY POLICY

Replacement Generator Controls Manufactured by FLIGHT SYSTEMS

Note: Always Refer to the Specific Generator Set Manual when Troubleshooting Problems.

This Flight Systems manufactured replacement generator control is warranted to be free from defects in materials and workmanship for a period of two years from the date it was sold. *(This date appears on unit label)*

Flight Systems' Limited Warranty covers the repair or replacement of defective product within the warranty period. It does not cover the cost of installation, or removal costs incurred, or possible damage to other equipment (including the generator or parts thereof) as a result of this product.

Flight Systems (or its authorized agent) shall reserve the right to determine the cause of malfunction. *In the case if we determine that it was due to abuse, misuse, improper installation, acts of nature (such as storms), failure to perform recommended gen set maintenance procedure or problems elsewhere in the gen set, the warranty claim shall be disallowed and established repair rates shall apply. Ship defective units directly to:*

Flight Systems, 207 Hempt Rd. Mechanicsburg, PA 17050 - Attention: Warranty Repair

Please prepay all freight charges and note the nature of the failure, if known.

Return Policy: Unwanted items may only be returned within 30 days of original purchase date. Refund/credit issued shall be less a 25% per item restocking/re-test fee as long as unit is in new, undamaged condition. *Shipping charges are not refundable.*

REBUILDING SERVICE

If this product suffers a failure when out of warranty, it can be rebuilt. As with all Generator Controls Rebuilt by Flight Systems, a One-Year Warranty will be issued. Please contact us for current rebuild pricing. *Ship units to:*

Flight Systems, 207 Hempt Rd. Mechanicsburg, PA 17050 - Attn. Repair Dept.

Please prepay all freight charges and note the nature of the failure, if known.

TECHNICAL SUPPORT

Technical support is available by phone, fax or the internet for all Flight Systems products.

Phone: 717-590-7330 (8:00am - 4:30pm ET, M-F)

Fax: 717-590-7327 Web: <http://www.flightsystems.com/>

Our Low-cost, improved replacements for over 100 Onan® Kato® Kohler® and other OE part numbers include:



Onan® RV, Marine & Standby Gen Set/ATS Controls/VR Replacements



Replacement Kohler® DEC III Gen Set Control



Replacements for Basler®, Delco®, Marathon®, Newage® & other Voltage Regulators

Replacement Kohler® MPAC 1500 Controller



Replacement Onan® OT III Sensing and Time Delay Cards



'Slick Stick' Slip Ring Cleaning Tool



Replacement Kato® Kassek® Control

Gen Set Control/Monitoring Solutions

GenStart 500

Drop-in replacement for all DGC-500 variants. Easy to use interface. No software needed!



GENPULSE Generator Exercise Monitor

CONTROLS REBUILDING SERVICE

Flight Systems rebuilds over 500 different Onan®, Kohler®, Generac®, Basler®, ASCO®, Kato®, GE-Zenith® and other Generator & ATS Controls. Rebuild-Exchange Service is often available. (1-Year warranty)

We also rebuild Cruisair® and other Marine & RV controls. Please call or see our website for a complete list.

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www.flightsystems.com

All FSI-built controls are proudly **Made in USA** *and backed by a two-year warranty*