

Rotax Regulator Replacement Alternatives

Rotax Alternator AC output:

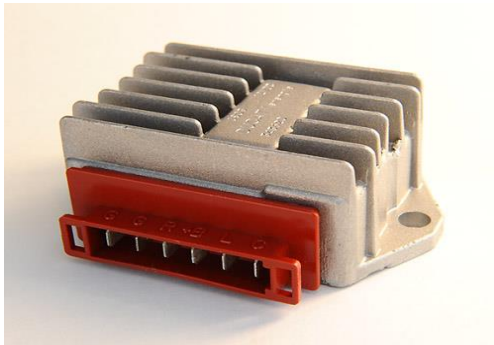
250 watt AC output Nominal 12.6 Volts/20.5 Amps
83-500 Hz
16-100 volts AC

Regulator needed output:

13.8-14.5 Volts DC
17 Amps nominal to not go over 250 watts. Most regulators have 55-70C temperature maximums.

Genuine Rotax:

P/N 965 349 Rectifier Regulator 13.8 Volts \$147.57 (Ducati manufacturer.)
Ducati P/N 343620



Off the shelf regulators as a substitute:

Rectifier Voltage Regulator John Deere Lawn Garden Tractor 330 322 332, AKH6004 \$80
Unknown output.



Caltric model R11-2, PN LD1293111RV: John Deer Lawn Tractor replacement on Amazon.
Looks similar to above.

JEENDA Rectifier Voltage Regulator AM101406 MIA881279 Compatible with John Deere 322 330 332
3375 375 2243 415 670 770 870 970 1070 F912 F915
Rectifier Voltage Regulator MIA881279 for John Deere 2243 415 670 770 870 970 1070 F912 F915
About \$21



Kubota: PN RP201-53710 Used on Jabiru's About \$25-\$100 depending on seller. Has a molex only connector. Output 14 volts.



SH Silent-Hektik 4118: Direct Replacement for Ducati \$250 Sold in Europe Only. Direct bolt up and used for the Ducati replacement in Europe on the 912S. Seems to put out 13.2 start then rises over time to 14.2 volts nominal.



DB Electrical 230-42030 Voltage Regulator/Rectifier Compatible With/Replacement For 12V DUCATI DARMAH, PANTAH 04191231EC 4191201 7362.018 7362.022 7362.027 7362.04 7362.056 7362.66 8112200 8138004 About \$57 Looks like a direct replacement. Worth a call.



CARR5115 ROTAX VOLTAGE REGULATOR (343620, 362001) \$150-\$250 or so. Suitable for:
Rotax 912, Rotax 914, Rotax 912UL, Rotax 914UL voltage regulators
Improved MOSFET Voltage Regulator / Rectifier - CARR5115
More effective and gets less warm than the original regulator rectifier, therefore more reliable!
Suitable for lithium ion batteries! 1 Year warranty, 14,6V / 39A
Replaces Ducati Energia Charging System OEM numbers: 343620 362001

1 Year warranty.



B&C Products:

AVC1 Advanced Voltage Controller, 14V, Homebuilt PART #: AVC1 PRICE: \$250.00 – \$324.00
Finally, a plug-and-play, aviation-specific controller for the Rotax 912 and 914 ULS engines or other applications with a single-phase, permanent magnet alternator. AVC1 has field-adjustable charging voltage to ensure compatibility with a variety of battery types (i.e. “flooded,” SLA/VRSLA, or Lithium Ion), over-Voltage protection, warning indication is provided by a Charging System Fault and user-selectable Low-Voltage warning output — another B&C exclusive — compatible with LED or incandescent warning lights or with EFIS displays.

Intended for single-phase permanent magnet alternators rated up to 20A, the AVC1 is a superb choice for Experimental and LSA aircraft.

