

FJSaDobo 5-8KW

FJSaDobo Voltage Regulator Rectifier AVR Automatic for Generator

Model: 5-8KW

1. OVERVIEW

This instruction manual provides comprehensive information for the FJSaDobo Voltage Regulator Rectifier AVR Automatic for Generator, designed for 5-8KW generators. This device is crucial for maintaining stable voltage output from your generator, ensuring optimal performance and protecting connected equipment. It is compatible with a wide range of generator brands and models, including Honda, Predator, Champion, Blackmax, Powermate, Duromax, Firman, Wen, and Etq.

2. PRODUCT FEATURES

- Direct replacement for Honda 32350-ZB4-632 EB3500X EB5000X EG3500X EG5000X Generators.
- Compatible with Harbor Freight Predator 5500/6500, 7250/9000, 7000/8750, 9500, Chicago 6500/7000, and Pulsar 6000 generators.
- Suitable for Champion 5500~9200 watt models including 41030, 41119, 41135, 41570, 41534, 41553, 100153, 100165, 100155, 41430, 41537, 100219, 41533, 41302, 100247, 100340, 100452, 100109, 100462, 100248, 100538, 100704, 100693, 100463, 100219.
- Fits Honeywell 5500 6875 W 6036 6151, Raven Ryobi 5500 6500 GEN6500E, Togo power GG8000, Tomahawk 7000 7500, Duromax XP8500EH XP8500E, and Dewalt Sportsman 8000 9000 W801806.
- Applicable for Generac Honeywell 0H2579B 0G99240101 GP5500 GP6500 GP6500E GP7500E GP8000E XG7000 XG8000E XG6500 XP6500E XT8000E, Firman 6500 thru 8500 P05706 PO6702 PO6001 P05701 P06701 P05700 ECO9000E, and Westinghouse 5500 thru 7000 WGen6000 WGen5500 WH5500 WH5500C WH6500 WH6500C.
- Suitable for Smarter tool 6500, Powermate 5000 6250 Watt 8125 / 6500 6000 7500 w PM0106507 PC0106507 PMC106507 PM0116000 PM0116000.01, Polaris P5500 P6500, Simpson 5500 / 6875 7500 8300 SPG5568 70006 SPG8593E 70007 SPG8310E 70008, All Power APGG7500, Powerhorse 5500 6500 7000 7250 9000 750142 750133 750140 750141.

3. SPECIFICATIONS

Attribute	Value
Brand	FJSaDobo
Model Number	5-8KW
Wattage	4000 watts
Output Wattage	8 Kilowatts
Starting Wattage	8.8E+3 Kilowatts
Voltage	110 Volts
Frequency	50 Hz
Item Weight	103 Grams (3.63 ounces)
Product Dimensions	0.7"L x 2.1"W x 2.2"H
Color	Black
Included Components	Case
Power Source	Gas
Fuel Type	Electric

4. PRODUCT VIEWS



Figure 4.1: Main view of the FJSaDobo Voltage Regulator Rectifier, showing the main unit, connected wires, and the separate brush holder.

PLS DOUBLE CHECK
THE PITCH OF 2 HOLES
BEFORE ORDING

0.25in/6.5mm



Figure 4.2: Detailed view highlighting the pitch of the two mounting holes, measuring 0.25 inches (6.5mm), and the overall length of 5.30 inches (135mm).

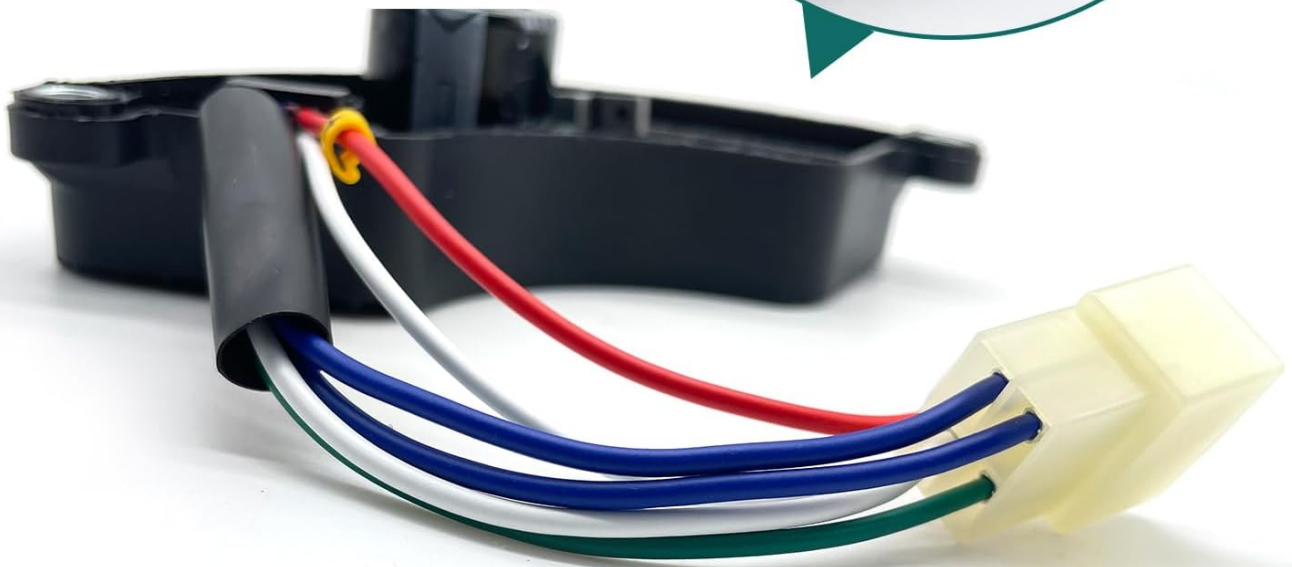
4-PIN CONNECTION HOLE

POSITIVE & NEGATIVE



Figure 4.3: Close-up of the 4-pin connection hole and the clearly marked positive (+) and negative (-) terminals for wiring.

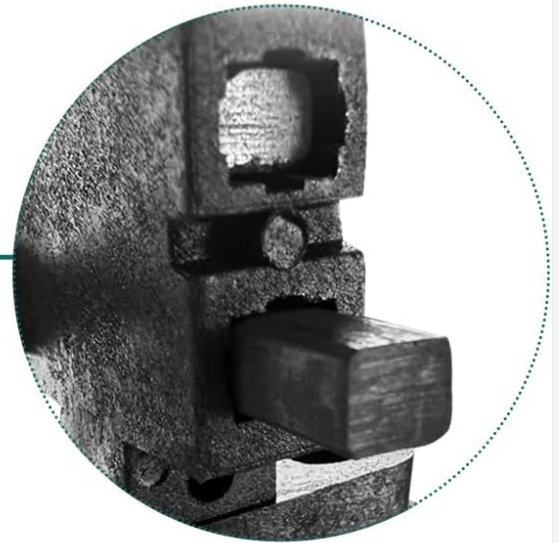
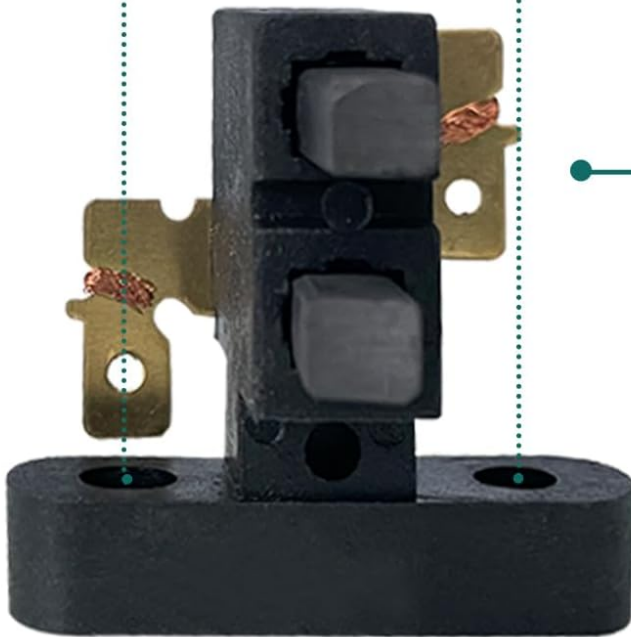
TOTALLY 6 WIRES



All wires clearly marked

Figure 4.4: View of the voltage regulator showing all six wires, which are clearly marked for proper connection.

24mm



Scalable

Figure 4.5: The brush holder component, indicating a 24mm dimension and its scalable design.

5. INSTALLATION AND SETUP

Safety First: Before beginning any installation, ensure your generator is completely shut off, cooled down, and disconnected from any power source or fuel supply. Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.

1. **Locate the Existing AVR:** Identify the current Automatic Voltage Regulator on your generator. It is typically mounted near the alternator.
2. **Disconnect Wiring:** Carefully disconnect all wires connected to the old AVR. Note the position and color of each wire for correct re-connection. Taking a photo before disconnecting can be helpful.
3. **Remove Old AVR:** Unbolt and remove the old AVR from its mounting location.
4. **Install New AVR:** Position the new FJSaDobo Voltage Regulator Rectifier in the same location. Secure it using the existing mounting hardware. Ensure the mounting holes align (refer to Figure 4.2 for dimensions).
5. **Connect Wiring:** Reconnect the wires to the new AVR, matching the connections you noted earlier. Pay close attention to the 4-pin connector and the positive/negative terminals (refer to Figure 4.3 and 4.4). Ensure all connections are secure and free from corrosion.

6. **Install Brush Holder (if applicable):** If your generator uses a separate brush holder and it needs replacement, install the new brush holder (Figure 4.5) ensuring proper alignment and connection to the AVR.
7. **Final Check:** Double-check all connections to ensure they are tight and correctly routed. Ensure no wires are pinched or exposed.

If you are unsure about any step, it is recommended to consult a qualified technician.

6. OPERATION

The FJSaDobo Voltage Regulator Rectifier operates automatically to regulate the output voltage of your generator. Once correctly installed, it requires no manual adjustment during normal operation. The AVR continuously monitors the generator's output voltage and adjusts the excitation current to the alternator to maintain a stable voltage level, typically 110 Volts for this model.

After installation, start your generator according to its manufacturer's instructions. Observe the voltage output to ensure it is stable and within the expected range. If the voltage is unstable or incorrect, refer to the troubleshooting section.

Official Product Video

Your browser does not support the video tag.

Video 6.1: An overview of the FJSaDobo AVR Automatic Voltage Regulator Rectifier, demonstrating its appearance and key features. This video is provided by the seller, FJSaDobo.

7. MAINTENANCE

The FJSaDobo Voltage Regulator Rectifier is designed for durability and requires minimal maintenance. However, regular checks can extend its lifespan and ensure reliable performance:

- **Visual Inspection:** Periodically inspect the AVR and its wiring for any signs of damage, corrosion, loose connections, or overheating. Ensure the unit is clean and free from dust or debris.
- **Connection Integrity:** Check that all electrical connections are secure and tight. Loose connections can lead to intermittent operation or damage.
- **Environmental Protection:** Ensure the AVR is protected from excessive moisture, dust, and extreme temperatures, as these can degrade performance over time.
- **Brush Inspection (if applicable):** If your generator uses brushes, inspect them for wear and replace them if they are significantly worn down. Worn brushes can lead to unstable voltage or no output.

Always disconnect power to the generator before performing any inspection or maintenance.

8. TROUBLESHOOTING

If you experience issues with your generator's voltage output after installing the FJSaDobo AVR, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
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No Voltage Output	Loose or incorrect wiring connections; Faulty brushes (if applicable); AVR failure; Generator internal issue.	Check all wiring connections for tightness and correctness. Inspect and replace worn brushes. If connections are good and brushes are fine, the AVR may need replacement. Consult generator manual for internal issues.
Unstable Voltage Output (Fluctuating)	Loose connections; Overload; Engine speed instability; Faulty AVR.	Verify all connections are secure. Reduce load on the generator. Check generator engine for stable RPM. If issues persist, the AVR may be faulty.
Overvoltage or Undervoltage	Incorrect AVR setting (rare for this model); Faulty AVR; Generator engine speed issues.	Ensure the generator engine is running at the correct speed. If the problem persists, the AVR may be defective and require replacement.
AVR Overheating	Excessive load; Poor ventilation; Internal fault.	Reduce generator load. Ensure the AVR has adequate airflow for cooling. If overheating continues, the AVR may be faulty.

For complex issues or if troubleshooting steps do not resolve the problem, it is advisable to seek assistance from a certified generator technician.

9. WARRANTY AND SUPPORT

The FJSaDobo Voltage Regulator Rectifier AVR Automatic for Generator comes with a **3-month warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or any inquiries regarding your product, please contact FJSaDobo customer service through the official FJSaDobo store on Amazon or via their designated support channels. Please have your purchase details and product model number ready when contacting support. Visit the official [FJSaDobo Store](#) for more information and product offerings.

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This manual is for informational purposes only. Always follow safety guidelines and consult a professional if needed.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question