

Download File PDF 24 Volt Alternator Installation Operation Manual Introduction

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

12-Volt Alternator Installation & Operation Manual

BALMAR
www.balmar.net



Introduction

Thank you for choosing a Balmar high-output alternator. This alternator is uniquely engineered to provide the finest performance and durability for your vessel. Unlike most automotive-type alternators found standard on the majority of pleasure craft and marketed as lower priced marine alternatives, our marine alternators provide exceptional output at lower engine RPM's typical of marine diesel engines, so you can enjoy shorter charge cycles, greater economy, longer battery life and less noise and fumes.

When used in conjunction with Balmar microprocessor-controlled Max Charge and ARS-Series multi-stage regulators, your Balmar alternator provides even greater efficiency when charging deep-cycle flooded, standard flooded, gel, AGM, Optima and other marine battery technologies. When paired for your battery type, the smart regulator guides your alternator through a balanced charge cycle that ensures the best care possible for your batteries. Balmar multi-stage regulators provide the ability to monitor temperature at your alternator. When used with the optional alternator temperature sensor (ATS-TS) installed, the regulator will automatically reduce field output to 50 and activate a warning circuit which can control a user-installed visual or audible alert, should an over-temperature condition occur. Together, the Balmar high-output alternator and multi-stage regulator work to assure the best charge possible.

Contents	
Introduction	1
Safety Considerations	2
Basic Installation	2
Alternator Mounting	2
Auxiliary Information	3
Locking Drive Belts	3
Voltage Regulation	4
Field Winding	4
Grounding	5
Pinch	5
Alternator Nut	5
Notes	5
Charge Lamp	5
Diagnosis	6
Field Winding	6
Maximum Output	7
Caution	7
Labels	7
Drive Engine Issues	7
Control Panel	8
Van Charge Diagram	8
Series Installation	10-11
Parallel Connection	12-14
6-Series	12
8-Series	12
10-Series	12
15-Series	12
25-Series	12
35-Series	12
Warnings	14
Appendix	15-16
©2011 Balmar Components, Inc.	

Safety Considerations

Before installing your new alternator, please take a moment to consider the following guidelines for safe alternator installation and operation. Failure to follow these guidelines could result in injury or damage to your vessel's electrical system.

1. Always disconnect your batteries and turn your battery switch to its "OFF" position prior to installing your alternator.
 2. Remove any loose fitting clothing or jewelry which could become entangled in your rotor or other machinery.
 3. Wear ANSI-approved safety glasses or eyewear.
 4. Ensure that the engine has cooled sufficiently before beginning installation.
 5. DO NOT install your high-output alternator without ensuring that the system wiring is sufficiently sized to handle increased amperage loads.
 6. Be sure that your work area is sufficiently ventilated and that no fuels or solvents are present in and around your work area.
 7. DO NOT operate your charging system without proper fusing. Failure to do so could result in severe injury and/or damage or loss of your vessel. DON'T take chances with fusing.
 8. DO NOT alter installation while using alcohol or medications which could impair your judgment or reaction time.
 9. Use the right tool for the job. Use of improper tools could result in damage or injury.
 10. Use care to read the manual. Equipment damage and possible injury may result from an incomplete understanding of the proper installation and use of the alternator.
- CAUTION: The following instructions are intended for use by experienced marine electrical installers. If you are not sufficiently experienced with marine electrical systems, we recommend a qualified electrician be used for installation.

[Download PDF version of :](#)

[24 Volt Alternator Installation Operation Manual Introduction](#)