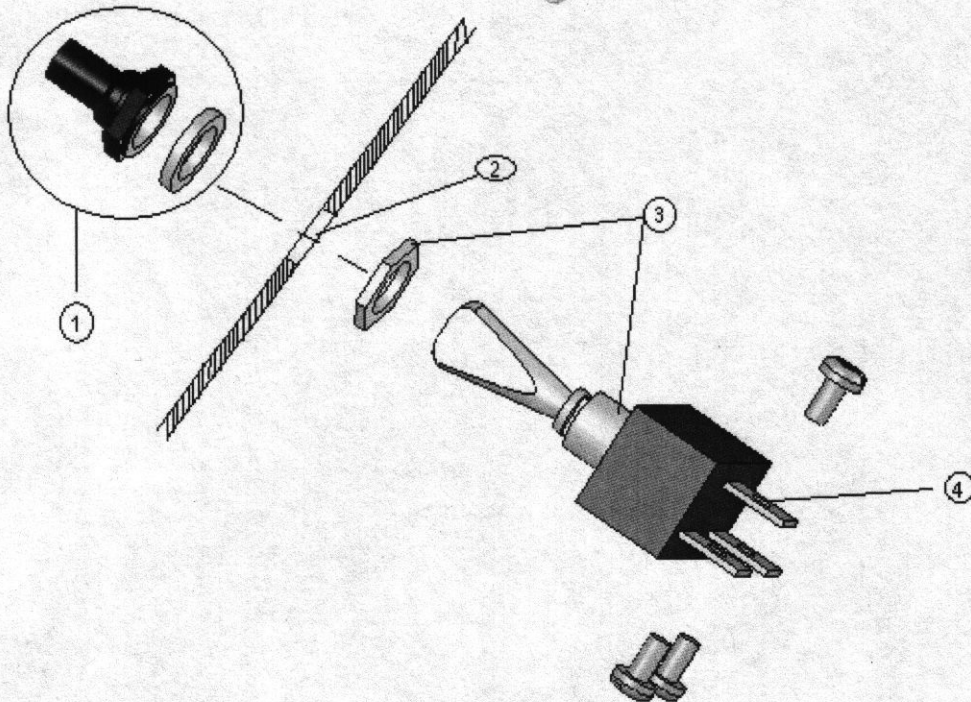


SEALED 50 AMP SWITCH

1. Use either the rubber sleeved nut or the knurled nut but do not use both.
2. Drill 12mm (0.4725in) hole in panel.
3. The backing jam nut may be adjusted to allow the switch to mount flush with the panel.
4. No larger than 8 gauge wire should be connected directly to switch. Short lengths (inches) of 8 gauge wire may be used as a transition to larger gauge wire. Eye connectors are recommended.
5. See p.12 of your owner's manual for wiring suggestions. Heed the indications in your owner's manual regarding any wire connections.
6. Large gauge wire should be supported. The switch terminals are not to bear the weight of the wire.

Caution

FAILURE TO PROPERLY GROUND THE TURBINE WILL VOID YOUR WARRANTY.

SEVERE UNIT DAMAGE CAN RESULT FROM IMPROPER GROUNDING!

Properly grounding the turbine is very important in protecting the electronics for long-term operation. The following grounding procedures must be followed along with the National Electric Code (NEC) and any local grounding codes.

The negative conductor of your system must be connected to a ground (unless your system is already positively grounded). In all independent power systems it is very important to ground your battery bank and exposed conducting surfaces for lightning and static protection.

The green lead wire provides grounding for the body of the turbine. This wire must be connected to the system ground. If the turbine is not being provided with its own ground connection, then the green wire may be tied to the negative conductor, provided the negative conductor of the system is grounded at some point. For positively grounded systems (such as some RV systems), the green wire may be tied to the positive conductor. **BE CERTAIN OF YOUR SYSTEM GROUND CONFIGURATION BEFORE INSTALLATION!**

All system grounds should be connected together by conductors with the same ratings as the positive and negative wires.

Wire Color Codes

RED = positive

BLACK = negative

GREEN = earth ground

For land based systems with no existing system ground, a ground electrode can be made as described in the NEC from an 8 ft. section of $\frac{3}{4}$ " galvanized pipe or conduit, or an 8 ft. section of $\frac{5}{8}$ " iron or steel rod. This ground electrode must be buried completely beneath the soil, at no more than 45 degrees from vertical, or horizontally at least 2- $\frac{1}{2}$ ft. beneath the surface. It is recommended that the ground electrode be installed as close as possible to the system for maximum lightning protection. The base of the pole is also a good location for an appropriate surge arrester.

The AIR-X Marine should be grounded on boats according to the American Boat and Yacht Council (ABYC). Ph. (410) 956-1050. Most boats use the engine block or a submerge plate to carry the ground to the water; check your system and ABYC to be sure.

Read This!

If you do not wish to set up a ground system (not required for systems under 50 volts), you must connect the green (earth ground) to the black (negative) lead or system damage may result and void the warranty.

Southwest Windpower, Inc.
1801 W. Route 66
Flagstaff, AZ 86001
Phone 928-779-9463 Fax 928-779-1485

IMPORTANT

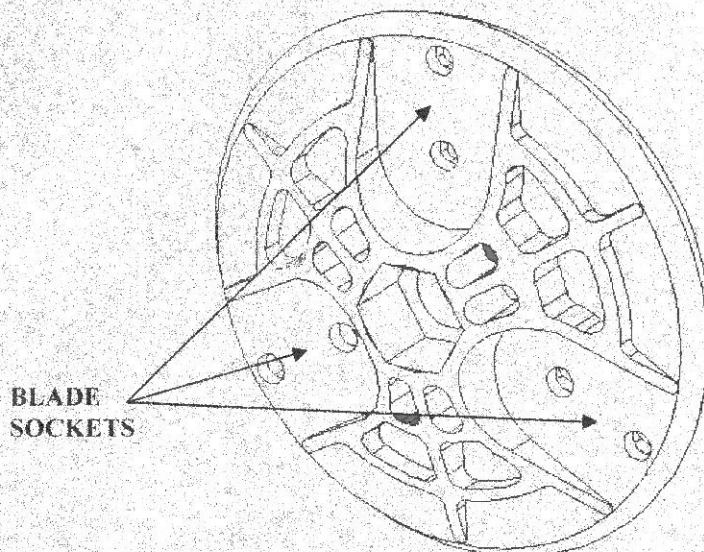
Addendum to Owner's Manual for AIR-X AND AIR INDUSTRIAL

A capsule of Tef-gel™ Teflon™ corrosion inhibitor has been included with your AIR™ wind turbine product. See your Owner's Manual for specific instructions.

Application of Tef-gel™ to the AIR™ hub's blade mounting sockets has been found to dramatically reduce the occurrence of corrosion of the blade material due to electrolysis.

Before mounting the blade set to the hub, please follow the instructions below for application of Tef-gel™ in each of the three blade sockets on the hub:

- Using the included applicator, thoroughly coat each blade mounting location (blade socket) on the AIR hub with the included Tef-gel™. Coat the entire blade socket surface area. The Air Industrial hub does not have blade sockets. Apply the Tef-gel™ so that the compound is between the hub and the entire blade root.
- The Tef-gel™ can also be applied to the blade mounting bolts to assist with corrosion prevention.



Air X™ and Air Marine™ Wind Turbine Warranty Agreement

3
YEAR
LIMITED
WARRANTY

Hardware Warranty

Southwest Windpower, Inc., ("Southwest Windpower") will repair or replace free of charge any part or parts of the Southwest Windpower Air X™ and Air Marine™ Wind Turbine determined by Southwest Windpower to be defective in materials and/or workmanship under normal authorized use consistent with product instructions for a period of three years from the date the original purchaser ("Customer") receives the Wind Turbine ("Start Date"). This warranty extends only to the original purchaser. The Customer's sole and exclusive remedy and the entire liability of Southwest Windpower, its suppliers and affiliates under the warranty is, at Southwest Windpower's option, either (i) to replace the Wind Turbine with new or reconditioned Wind Turbine, (ii) to correct the reported problem, or (iii) to refund the purchase price of the Wind Turbine. Repaired or replaced products are warranted for the remainder of the original warranty period.

Restrictions

Problems with the Wind Turbine Products can be due to improper use, maintenance, non-Southwest Windpower additions or modifications or other problems not due to defects in Southwest Windpower's workmanship or materials. No warranty will apply if the Wind Turbine (i) has been altered or modified except by Southwest Windpower, (ii) has not been installed, operated, repaired, or maintained in accordance with instructions supplied by Southwest Windpower (iii), or (iv) has been exposed to winds exceeding 120 mph (54 m/s), or has been subjected to abnormal physical, thermal or electrical stress, misuse, negligence, or accident. If Southwest Windpower's repair facility determines that the problem with the Wind Turbine is not due to a defect in Southwest Windpower's workmanship or materials, then the party requesting warranty service will be responsible for the costs of all necessary repairs and expenses incurred by Southwest Windpower.

Warranty Claims & Return Procedures

In order to be eligible for service under this warranty the Customer must submit a service request for Wind Turbine covered by this warranty within the warranty period by contacting Southwest Windpower in writing or via telephone and obtaining a Return Authorization ("RA") number. This RA must be obtained before returning any product under this warranty.

Notification must include a description of the alleged defect, the manner in which the Wind Turbine was used, the serial number, and the original purchase date in addition to the name, address, and telephone number of the party requesting warranty service. Within 3 business days of the date of notification, Southwest Windpower will provide the Customer with a RA number and the location to which the Customer must return the defective Wind Turbine. Any Wind Turbine requiring warranty repair shall be transported at the expense and risk of the party requiring warranty service, including but not limited to proper packaging of the Product. The Customer must return the entire Wind Turbine kit within 30 days after issuance of the RA number. Southwest Windpower will be under no obligation to accept any returned Wind Turbine that does not have a valid RA number. Customer's failure to return the Wind Turbine within 60 days of its receipt of a RA number may result in cancellation of the RA. All parts that Southwest Windpower replaces shall become Southwest Windpower's property on the date Southwest Windpower ships the repaired Wind Turbine or part back to the Customer. Southwest Windpower will use all reasonable efforts within five days of receipt of the defective Wind Turbine to repair or replace such Wind Turbine. If a warranty claim is invalid for any reason, the Customer will be charged at Southwest Windpower's then-current rates for services performed and will be charged for all necessary repairs and expense incurred by Southwest Windpower.

Disclaimer

EXCEPT FOR THE EXPRESSED WARRANTY SET FORTH ABOVE, SOUTHWEST WINDPOWER DISCLAIMS ALL OTHER EXPRESSED AND IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY AND NON-INFRINGEMENT. NO OTHER WARRANTY, EXPRESSED OR IMPLIED, WHETHER OR NOT SIMILAR IN NATURE TO ANY OTHER WARRANTY PROVIDED HEREIN, SHALL EXIST WITH RESPECT TO THE PRODUCT SOLD UNDER THE PROVISIONS OF THESE TERMS AND CONDITIONS. SOUTHWEST WINDPOWER EXPRESSLY DISCLAIMS ALL LIABILITY FOR BODILY INJURIES OR DEATH THAT MAY OCCUR, DIRECTLY OR INDIRECTLY, BY USE OF THE PRODUCT BY ANY PERSON. ALL OTHER WARRANTIES ARE EXPRESSLY WAIVED BY THE CUSTOMER.

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