



3750 West River Drive  
Davenport, IA 52802  
Phone: 563-323-7994 Fax: 563-323-8089  
[www.americanarmature.com](http://www.americanarmature.com)

## INSTALLATION TIPS

Installation of your new American Armature™ Nitro alternator should be done in a well-lit area. The vehicle should be turned off and the engine should not be hot to the touch.

**DO NOT MODIFY THE NITRO ALTERNATOR - IT SHIPS COMPLETE. MODIFYING YOUR NITRO ALTERNATOR WILL VOID YOUR WARRANTY.**

**DO NOT MODIFY THE NITRO OUTPUT POST. DO NOT INSTALL/USE THE FACTORY OUTPUT POST FROM YOUR STOCK ALTERNATOR. IT WILL NOT HANDLE THE NITRO OUTPUT AND WILL VOID YOUR WARRANTY.**

**DO NOT CHANGE THE ALTERNATOR PULLEY-DOING SO WILL VOID YOUR WARRANTY.**

### **Step 1: Charge your battery**

**DO NOT SKIP THIS STEP...** even if the battery (s) is brand new. A low battery will make your new American Armature Nitro Alternator work much harder, diminishing its life.

**Step 2: Upgrade the output wire from the alternator to the starting battery with a 4-gauge wire or larger depending on the length. Install this output wire with the existing OE output wire.**

**Step 3: Provided you have completed the previous steps, install your new Nitro. Start your engine and leave it in PARK with no load on. Check the output of the alternator. If you are reading an output of more than 40 amps at idle with no load on; your battery is not functioning properly. This will cause your alternator to fail and void your warranty! **Replace the battery with a new fully charged one and conduct this step again. Please keep in mind that not all new batteries are fully charged. Take the time to fully charge the new battery.****

### **American Power Systems, Inc. Warranty**

Your new American Armature™ Nitro Alternator comes with a 1-year warranty. Any part of the alternator is warranted for craftsmanship, all parts and labor it took to manufacture our alternator.

#### **How to void your warranty**

There are signs within the alternator that inform us one or more of the following has occurred:

- Disconnecting the battery and/or the alternator while the vehicle is running.
- Physical damage to the alternator.
- Installing the alternator on a vehicle with an undercharged or defective battery.
- Putting more load on the alternator than the rated output.
- Changing/Adding components to the alternator.
- Welding on the frame with the battery connected.