

# Flashing Athlon Pancake Generators

## Models AG164S16 (6kW) and AG164T16 (8kW)

Generators may lose residual magnetism and need to be flashed. Loss of magnetism will appear as 0V output when the generator is being spun at its rated RPM. A low or 0V output condition does not necessarily indicate a flash is required, but flashing the unit whether it needs it or not will not damage the unit and is a quick and simple procedure.

### Tools Needed:

- 8mm or 5/16" Socket and Wrench or Driver
- 12VDC Battery with Leads

Step 1. Begin by removing the three small screws holding the back cover on and remove the cover. See figures 1 and 2.



Figure 1 – Back of Unit with Cover.  
Use a 8mm or 5/16" socket to remove the three screws circled above.

Figure 2 – Back of Unit with Cover Removed.

Step 2. Attach leads to a 12VDC battery as shown in figure 3.

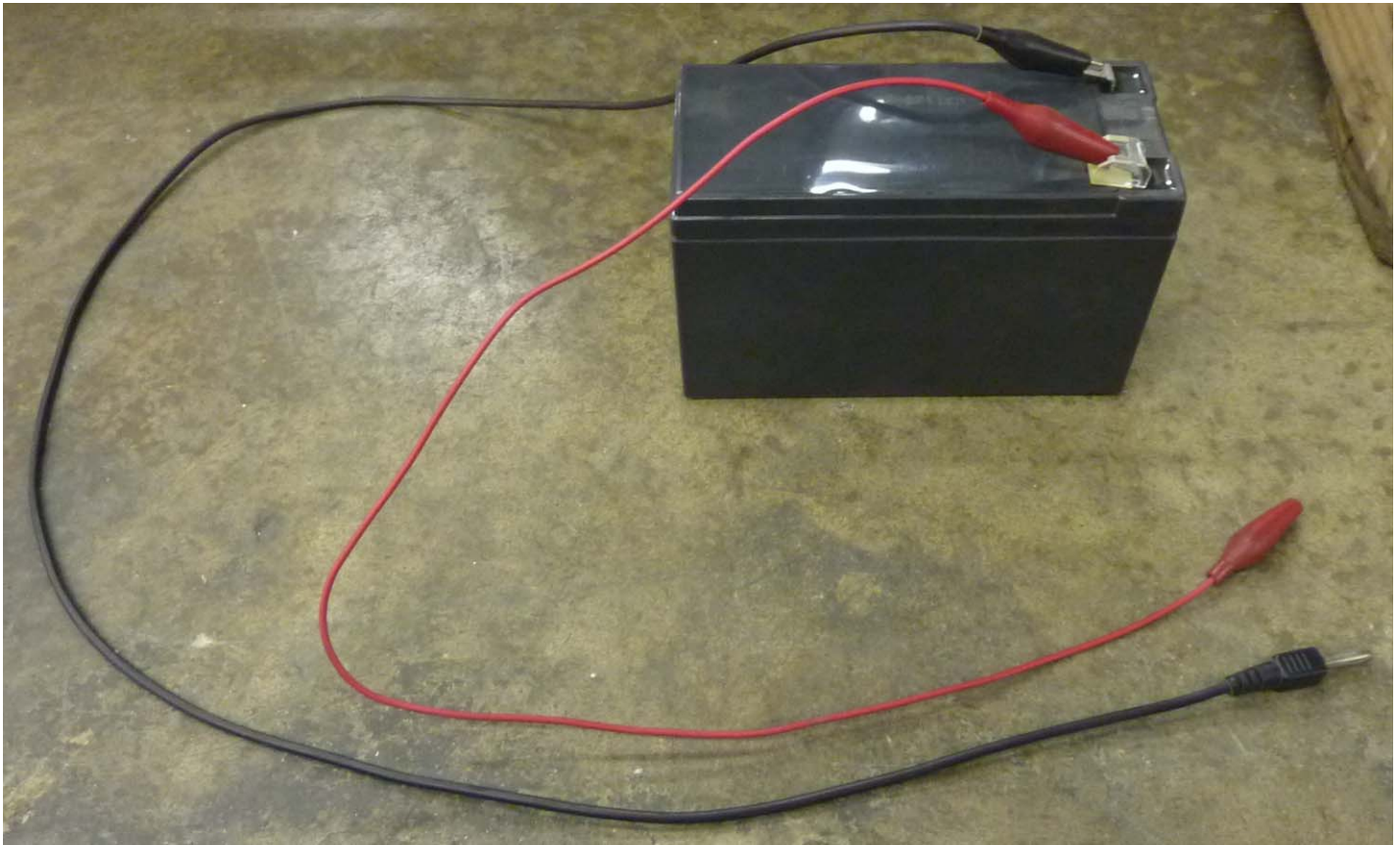


Figure 3 – 12VDC Battery with Leads Attached.

Step 3. Locate the diode on the rotor as shown in figures 4-6. Rotor may need to be turned by hand so diode is accessible.

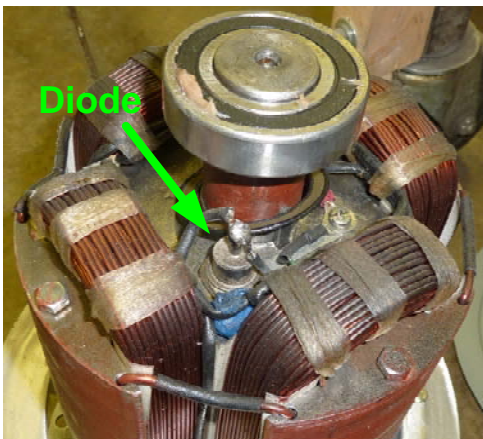


Figure 4 – Bare Rotor, Shown to Better See Diode.



Figure 5 – Back of Unit with Diode Circled.



Figure 6 – Diode Up Close.

Step 4. Attach the positive (+) lead from the battery to the tip of the diode as shown in figure 7. The tip of the diode has two wires soldered to it.

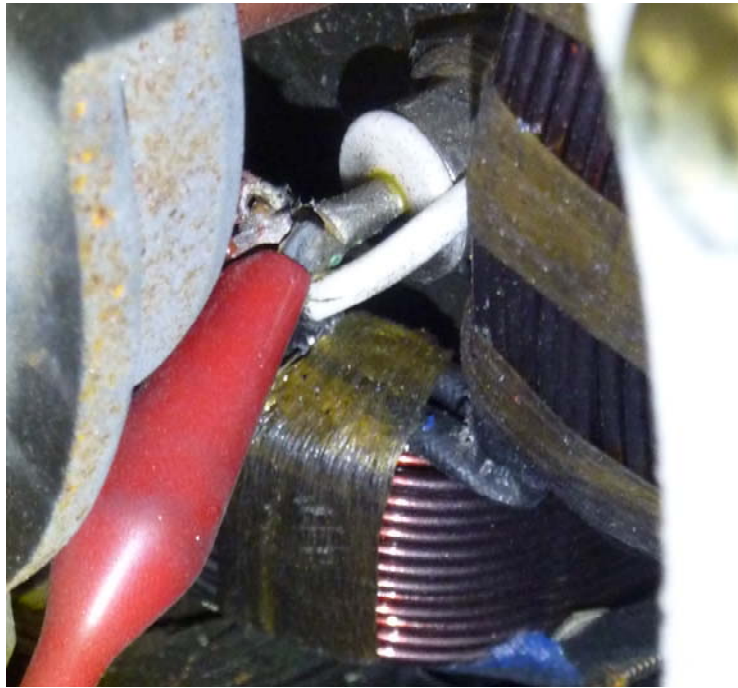


Figure 7 – Positive Battery Lead Attached to Diode Tip.

Step 5. Briefly touch the negative (-) lead from the battery to the rotor shaft as shown in figure 8. Contact does not need to be made for more than a second or two.

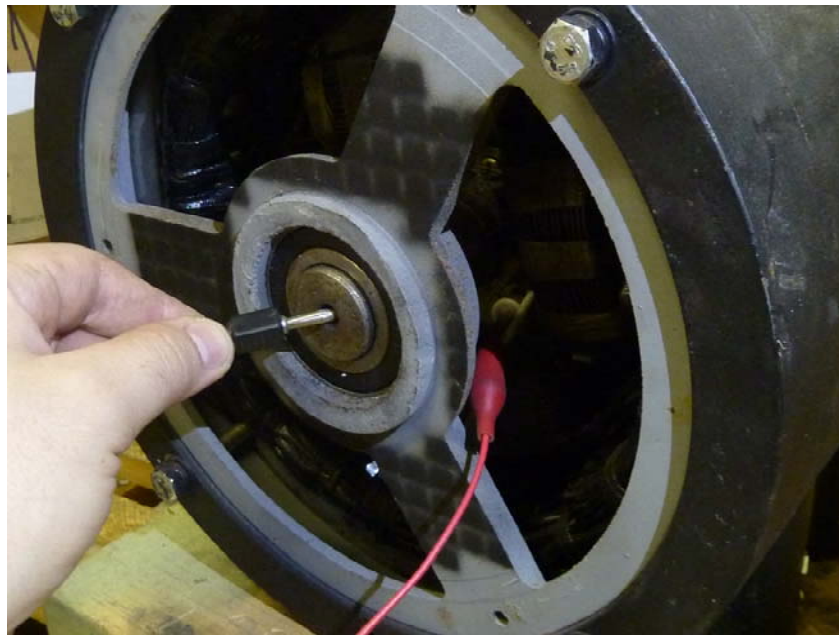


Figure 8 – Negative Battery Lead Touched to Rotor Shaft.

Step 6. Remove all leads and reattach back cover. Spin generator at rated RPM and test output voltage.