



# ETON America, LLC



## Service Bulletin

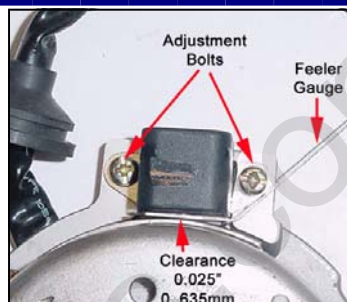
Bulletin No: **0028**  
Date: **05/24/04**

### Viper 50, 50M, 70, 90 & 90R A/C Generator Test

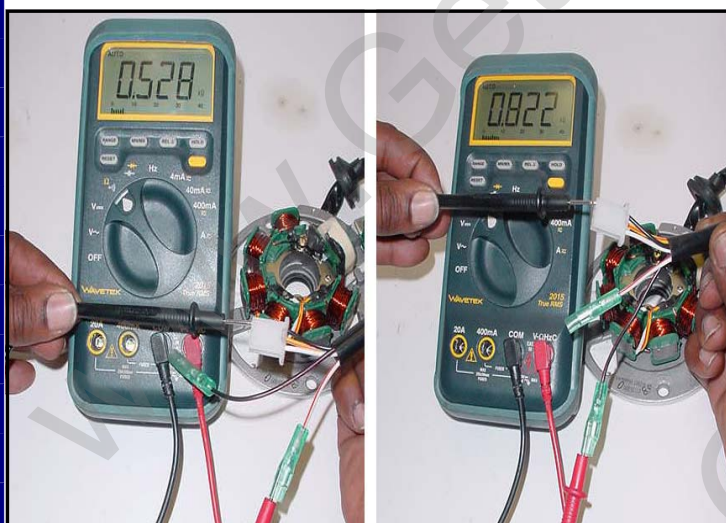
Symptoms for faulty generator

1. Weak or intermittent spark
2. No spark
3. Battery continually discharging
4. Slow throttle response

1. Clean the flywheel
2. Set the Pickup Coil air gap to 0.025" / 0.635mm.



To test the generator, set the multi-meter to a 1k ohms scale. Check the ohms from the white/red wire to the generator case or ground as shown in picture. Ohms reading should be between 105-115 ohms; replace if 100 ohms or less. To check the output voltage, the generator must be installed and multi-meter set to AC small scale. Probe the red lead to the white/red wire and the black lead to battery or chassis ground. Push the starter button with the flywheel turning the voltage should read 0.5 to 1.5 volts AC. If reading is low, replaced the A/C generator.



To test the exciter coil, set the multi-meter to a 1k ohms scale. Check the ohms from the white/red wire to the generator case or ground as shown in Figure 2. The reading should be 0.520—0.535 k ohms.

To test the auxiliary coil, check from the black/red wire to generator case or ground as shown in Figure 3. Reading should be 0.815—0.830 k ohms. If the readings are outside this range replace the A/C generator.

Replacement A/C Generator part Number  
**650234**

Flywheel  
Puller Tool  
Part Num-  
ber 650660

