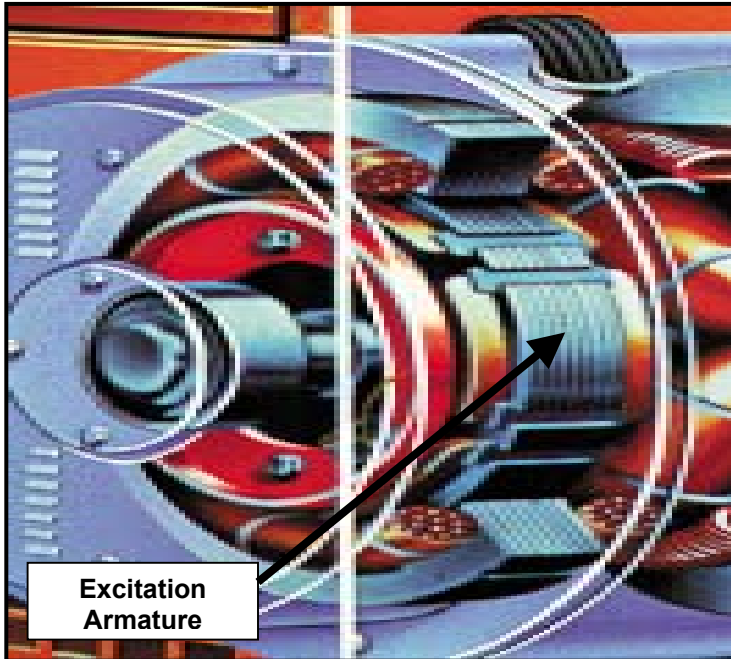




Technical Service Support Bulletin

Subject: Testing The Excitation Armature
Product: Generators
Model(s): ALL MODELS
Serial #: All
Bulletin: 2002-10
Issue Date: FEB 2002
Revised Date:

Instructions:



**Excitation
Armature**

1. Remove the End Bell from the generator.
2. Remove the Exciter Field (stator) from the generator ensuring that the connected wiring is removed from the AVR connector in the Main Control Box.
3. Give a thorough visual inspection of the Excitation Armature checking for burned spots, discoloration, and/or smoke damage.
4. Locate the Rotating Rectifier on the Rotor End Plate and remove the AC 1, AC 2, and AC 3 wiring connectors from the Rotating Rectifier.
5. Using a Multimeter set to Ohms Resistance check for Continuity between the following:

AC 1 to AC 2
AC 2 to AC 3
AC 1 to AC 3
6. Should any of the checks result in an open circuit the rotor of the generator must be replaced or rewound.

NOTE: If any of the windings result in an open circuit, and rewinding is preferred, use only a **QUALIFIED** rewinder.

Special Instructions:

The Exciter Armature of the MQ POWER generator is the rotating portion of the exciter, also known as the Exciter Rotor.

Should the Exciter Armature test faulty contact MQ POWER for instructions on rewinding the unit or purchase of a new rotor.

MQ Power Technical Service Dept.

800-835-2551

ALL ADJUSTMENTS MUST BE MADE BY A QUALIFIED ELECTRICAL TECHNICIAN. MQ POWER IS NOT RESPONSIBLE FOR ANY DAMAGES TO EQUIPMENT AND/OR COMPONENTS RESULTANT FROM UNQUALIFIED PERSONNEL.