

Polarization Test

This bulletin covers all Champion Power Equipment models featuring an Automatic Voltage Regulator (AVR):

Tools Required: 7mm wrench or socket.

Time Required: 0.1 hr (6 minutes).

1. Remove the two 7mm bolts that secure the round, yellow generator end cover.
2. Remove the cover.
3. Locate the two blade terminals connecting the AVR to the brush assembly. This connection is found at the 12 o'clock position.
4. One terminal has a band on the wire with a plus sign on it. This is the positive (+) connection.
5. The other is either white or yellow and is the negative (-) connection.
6. Remove the negative connection and then start the generator.
7. Taking the disconnected negative terminal, scratch it over the mating connection. This should result in a noticeable, low voltage electric spark (no danger of shock).
8. If there is a noticeable spark, the field has successfully been polarized.
9. Reconnect the negative terminal.
10. Reattach the generator end cover and bolt in place.

NOTE: If this test does not successfully polarize the field, it may be necessary to inspect and/or replace the brushes and/or AVR.

If you have any questions, please contact Champion Power Equipment:

Champion Power Equipment, Inc.
12039 Smith Ave.
Santa Fe Springs, CA 90670
Phone: 1-877-338-0999

Email: tech@championpowerequipment.com