

PMVR-120-C-220-C VOLTAGE REGULATOR TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	REMEDY
<p>NO VOLTAGE OUTPUT</p>	<p>SLOW SPEED</p> <p>BLOWN FUSE IN PLUS DC INPUT</p> <p>LOAD SWITCHED ON OR PLUGGED IN DURING START-UP</p> <p>5 PIN CONNECTOR NOT MAKING CONTACT</p> <p><u>BLOWN OR DEFECTIVE REGULATOR</u></p>	<p>INCREASE ENGINE SPEED</p> <p>REPLACE 30 AMP DC FUSE</p> <p>REMOVE LOAD UNTIL GENERATOR IS RUNNING AT LEAST 3,600 RPM</p> <p>PULL HARNESS CONNECTOR OUT AND CHECK CONTACTS, PUSH BACK IN FIRMLY UNTIL IT SNAPS IN</p> <p>PULL OUT 5 PIN CONNECTOR. JUMP THE TWO END PINS, THE RED AND GREEN WIRES WITH SIZE #12 OR #14 WIRE. RUN THE GENERATOR, VOLTAGE SHOULD INCREASE WITH SPEED, IF SO REPLACE REGULATOR</p>
<p>HIGH VOLTAGE, INCREASES WITH ENGINE SPEED</p>	<p>BLOWN OR DEFECTIVE REGULATOR</p>	<p>REPLACE REGULATOR</p>
<p>VOLTAGE DROPS WHEN APPLYING LOAD</p>	<p>LOOSE BELT</p> <p>ENGINE SPEED DROPPING</p> <p>TOO MUCH LOAD</p>	<p>TIGHTEN OR REPLACE BELT</p> <p>INCREASE ENGINE SPEED</p> <p>REDUCE LOAD</p>

NOTE: WHEN APPLYING ABOVE TROUBLE SHOOTING PROCEDURES TURN POWER SWITCH OFF ON THE CONTROL PANEL AND TURN ENGINE OFF BEFORE TOUCHING ANY COMPONENTS OR WIRES. REV-11-2/10/06 B. Fury