Onan® RV Generator Measurement Sheet

Generator Information:

Model Number: _____

Control Board Number: _____

Regulator Number: _____

Contact Information:

Name: _____

Contact Number: _____

Return Address: _____

Measurements for Troubleshooting and Pre-maintenance

Resistances:
Field Resistance is easiest to obtain by disconnecting the voltage regulator and using the generators harness. If unit does not have an electronic regulator, field measurement can be taken directly across the brushes.

** Note: '305VR' refers to Onan Voltage Regulator part numbers such as 305-0809-01, 305-0851, etc*

F1 & F2
J4-9 & J4-10 (on 305VR)
J1-1 & J1-10 (on 327-1413, 300-5374)
J1-1 & J1-14 (on 300-5047C) = _____ohms

Stator Resistance is also taken on the generator side of the regulator harness. This is AC supply side for the regulator. Disconnect regulator for accurate measurement.

Q1 & Q2
J4-11 & J4-12 (on 305VR)
J1-3 & J1-9 (on 327-1413, 300-5374)
J1-3 & J1-13 (on 300-5047C) = _____ohms

T1 & T2
J4-2 & J4-3 (on 305VR)
J1-4 & J1-5 (on 327-1413, 300-5374)
J1-33 & J1-34 (on 300-5047C) = _____ohms

Voltages:
Voltages should be taken with the control board and regulator connected. All pins can be found on the "Test Information for Troubleshooting RV Generators" and "Regulator Pin Assignment" pages of the "Onan Troubleshooting Guide". Reference all DC Voltages to chassis ground.

Field Flash: _____DC Voltage

Fuel Pump: _____DC Voltage

Ignition: _____DC Voltage

Q1 & Q2: _____AC Voltage

B1 & B2: _____AC Voltage

T1 & T2: _____AC Voltage

Oil Pressure Switch:
Check continuity of the oil pressure switch to ground.
Static: _____Less than 50 ohms Under Rotation: _____Less than 50 ohms

(Revised 12/16)