

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

Q1 & Q2: _____ AC Voltage

Fuel Pump: _____ DC Voltage

B1 & B2: _____ AC Voltage

Ignition: _____ DC 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)