

GENERATOR TROUBLESHOOTING TEST RECORD

Use the Generator Troubleshooting guide and/or the Shop Manual to test your generator and complete the following information applicable to your model before you call Techline for technical assistance (1-800-222-7693, option 4).

Generator Model _____ Serial Number _____ Engine RPM _____

Normal Operation Test

WINDING	WIRE COLOR/TEST POINT #	WIRE COLOR/TEST POINT #	SPECIFIED VOLTAGE	YOUR READING
MW1	/	/	VAC ±	VAC
MW2	/	/	VAC ±	VAC
Brush	/	/	VDC ±	VDC

Load Bank Test

SELECTOR SWITCH SETTING	RATED CURRENT	MEASURED CURRENT	ENGINE RPM	FREQUENCY
120 VAC	A	A		Hz
240 VAC	A	A		Hz

STANDARD AVR TYPE

Rotor Resistance Test

	SPECIFIED	MEASURED
Resistance at the slip rings (brushes removed)	Ω	Ω
Resistance through the brush holder (brushes installed, brush wires removed)	Ω	Ω

12-Volt Battery Test (Test battery requirement: 12 VDC ± 1) Your battery _____ VDC

WINDING	WIRE COLOR/TEST POINT #	WIRE COLOR/TEST POINT #	SPECIFIED VOLTAGE	YOUR READING
MW1	/	/	VAC ±	VAC
MW2	/	/	VAC ±	VAC
Exciter	/	/	VAC ±	VAC
Sensor	120V only ⁽¹⁾	/	VAC ±	VAC
	120V/240V ⁽¹⁾	/	VAC ±	VAC
DC / Sub ⁽²⁾	/	/	VAC ±	VAC
Sub ⁽³⁾	/	/	VAC ±	VAC
Battery at the brushes	/	/	12 VDC ± 1	VDC

(1) Voltage Selector Switch position

(2) Sub Winding voltage is VDC on some models

(3) Second Sub Winding not used on all models

INVERTER TYPE and CYCLOCONVERTER™ TYPE

WINDING	WIRE COLOR/TEST POINT #	WIRE COLOR/TEST POINT #	SPECIFIED VOLTAGE	SPECIFIED RESISTANCE	YOUR READINGS
AC	/	/	VAC ±	Ω	VAC / Ω
AC	/	/	VAC ±	Ω	VAC / Ω
AC	/	/	VAC ±	Ω	VAC / Ω
AC	/	/	VAC ±	Ω	VAC / Ω
AC	/	/	VAC ±	Ω	VAC / Ω
AC	/	/	VAC ±	Ω	VAC / Ω
Sub ⁽⁴⁾	/	/	VAC ±		VAC
DC ⁽⁴⁾	/	/	VAC ±		VAC

(4) Sub and DC Windings not used on all models