SCR/SCRF Series Battery Charger
JD5022-00 *Preventive Maintenance Procedure*

MAINTENANCE DATE	PERFORMED BY

Step (standard features)	**Instructions**	**Results**
Clean battery charger	• All vents clean and open. • Remove dust and debris from inside of unit.	☐ OK ☐ OK
Check all electrical connections and wiring	• TB1 and TB2 connections all tight. • Internal wiring connections tight, slip-on connectors fully seated. Wire and lug insulation in good condition. • Terminations at battery or bus are tight and corrosion free.	☐ OK ☐ OK ☐ OK
Check ac input voltage	• Measure at TB1-L1, TB1-L2 & TB1-L3 (3 Phase only) using ac voltmeter. Value must be within +10%, -12% of nominal.	Input _____ Vac
Check dc output voltage	• Measure at TB2(+) and TB2(-) using dc voltmeter. Value should agree with front panel voltmeter within 2%, and must be correct values for your battery. If the charger is using a temperature compensation probe, see the curve in Section VII of user's manual to determine correct battery voltage.	Float _____ Vdc Equalize _____ Vdc
Check ripple voltage	• Measure at battery terminals using ac voltmeter set to milliVolts scale. • Check against specification listed on charger's Data Nameplate.	Ripple _____ mVac
Exercise front panel controls	• Switch from Float to Equalize, then back to Float.	☐ OK
	• Verify front panel meters functional	☐ Volts OK ☐ Amps OK
	• Verify adjustment capabilities of float and equalize potentiometers.	☐ Float OK ☐ Equalize OK
Check voltage settings	• Verify voltage setting per battery manufacturer recommendations. • Utilize float and equalize potentiometers to make any required adjustments. See Section IV of user's manual.	☐ Float OK ☐ Equalize OK
Final checks	• Close and latch front panel door. • Restore charger to normal operation.	☐ OK ☐ OK

Step (optional features)	**Instructions**	**Results**
Check alarm settings	• See Section V of SCR/SCRF Series battery charger user's manual for calibration of alarms.	☐ HVDC OK ☐ LVDC OK
Combined Alarm Status Monitor (CASM)	• See service instruction JD0036-00 for CASM alarm adjustments • Test integrity of LEDs by pressing "lamp test" button on front panel.	☐ OK
Check integrity of remote wiring	• Internal temperature compensation network wiring. See instruction JA5022-00 and Section VII of user's manual. • Temperature compensation remote probe. See instruction JA5022-00 and Section VII of user's manual.	☐ OK ☐ OK

Step (10-year repair)	**Instructions**	**Results**
Replace capacitors	• See supplied Parts Data Package report or standard replacement parts table for battery charger manufacturer's part number of optional dc filtering electrolytic capacitors (C1/C2). • Order and replace capacitors	☐ OK