

## REPLACING FEEDBACK VOLTAGE DIVIDER PARTS

### SCOPE

SCR/SCRF Series battery chargers

### BACKGROUND

Voltage feedback components (resistors) normally last for the life of the battery charger. In the unlikely event that a component requires replacement, follow the procedure given here.

### REFERENCE

Please refer to the mainframe schematic diagram in your Operating and Service Instructions.

### WHAT TO DO

1. Check the contents of your replacement parts kit, according to the table at the end of this instruction.

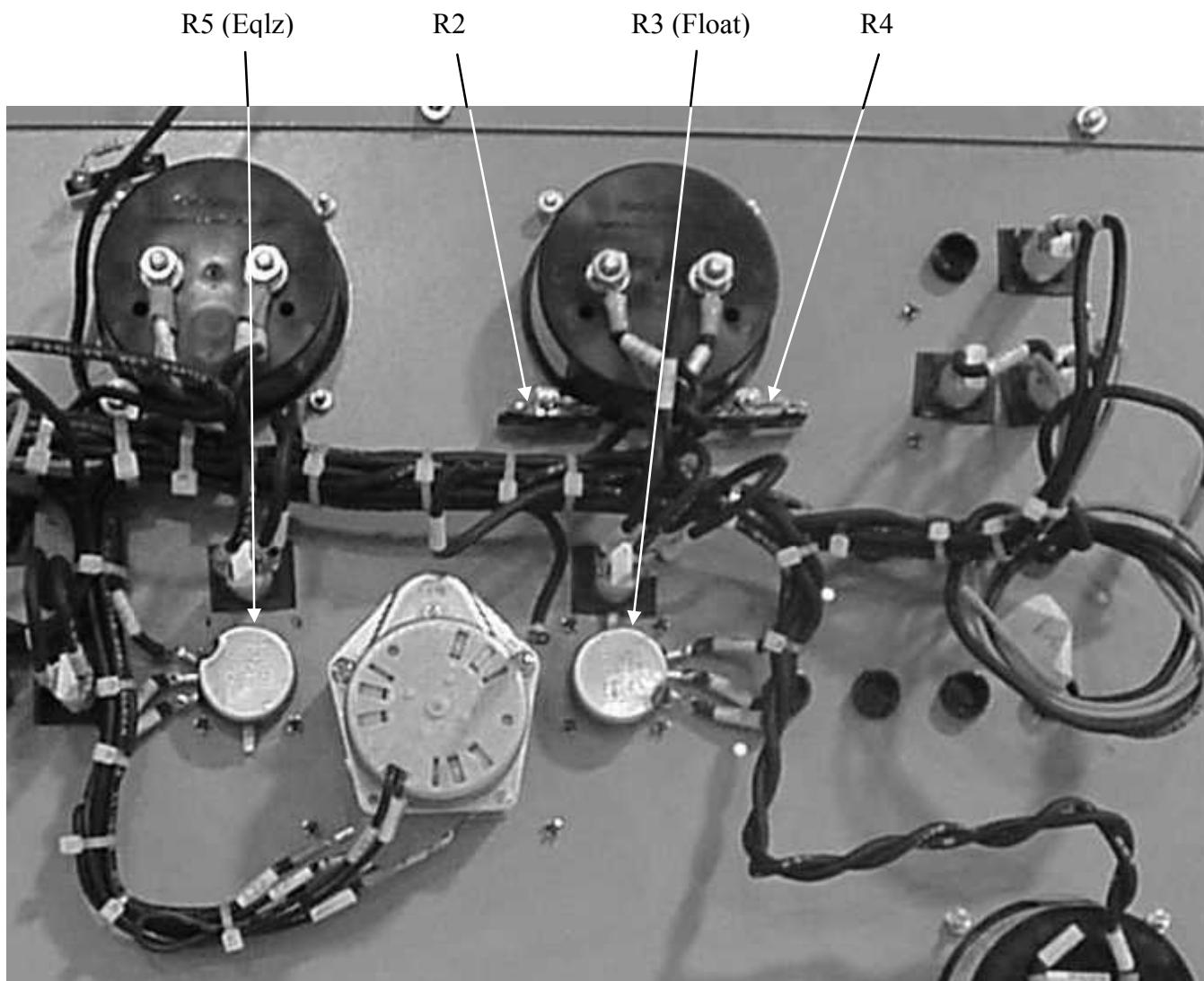
**WARNING: DISCONNECT ALL AC AND DC POWER SOURCES FROM THE CHARGER BEFORE PROCEEDING. ONLY QUALIFIED SERVICE TECHNICIANS SHOULD PERFORM THE FOLLOWING PROCEDURES. FOLLOW YOUR EMPLOYER'S STANDARD SAFETY PROCEDURES.**

**TURNING OFF FRONT PANEL CIRCUIT BREAKERS ALONE DOES NOT REMOVE DANGEROUS VOLTAGES INSIDE THE CHARGER.**

**USE SAFETY GLASSES WHEN SOLDERING AND UNSOLDERING ELECTRONIC COMPONENTS.**

2. Please see the figure on the next page to locate the part(s) that need to be replaced. Carefully remove the old part(s) by unsoldering and completely removing the component leads. Install the new part(s), being careful to follow the wiring layout shown in the figure. Make sure that all leads or terminals of the new part(s) are properly soldered.
3. Restart and retest the charger according to section 4 of the Operating and Service Instructions.

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**ORDERING PARTS**

Following are the factory part numbers for the feedback network components:

DC VOLTAGE RATING	R2 DESCRIPTION <sup>2</sup>	R2 PART NUMBER	ACCEPTABLE RANGE
12V	Resistor, carbon, 1/2W, 12K Ohms <sup>3</sup>	RJ0003-98	11K – 13K Ohms
24V	Resistor, carbon, 1/2W, 47K Ohms <sup>3</sup>	RJ0004-12	43K – 51K Ohms
48V	Resistor, carbon, 2W, 110K Ohms <sup>1</sup>	RJ0008-21	110K – 120K Ohms
130V	Resistor, carbon, 2W, 330K Ohms <sup>1</sup>	RJ0008-32	300K – 360K Ohms
260V	Resistor, carbon, 2W, 680K Ohms <sup>1</sup>	RJ0008-40	620K – 750K Ohms
<b>All Chargers</b>			
	R3, R5 DESCRIPTION	R3, R5 PART NUMBER	ACCEPTABLE RANGE
	Potentiometer, carbon, 2W, 10K Ohms	RJ0014-06	---
	R4 DESCRIPTION	R4 PART NUMBER	ACCEPTABLE RANGE
	Resistor, carbon, 1/2W, 3.3K Ohms <sup>3</sup>	RJ0003-84	3.0K – 3.6K Ohms

**Notes:**

- 1) Metal Thick film resistors may be used.
- 2) K (as in 12K) indicates thousands of Ohms.
- 3) 1W resistors may be substituted.