

**CHARGING RATE ADJUSTMENT (Continued)**

**CAUTION:** Do not change connections more than one step before observing effect on charging rate. On fully charged battery (approx. 1.265 to 1.275 specific gravity), rate should not exceed 15% of "MAX AMPS"

on charger nameplate. On fully discharged battery (approx. 1.120 specific gravity), rate should not exceed 110% of "MAX AMPS."

On three-phase chargers, all three transformer terminal blocks must be identically connected.

<p>(Shown connected for minimum output)</p>	Yellow Jumper	Orange Lead	Charger Output
	8 to 9	to 12	Maximum Output ↑ Higher Output ↓ Lower Output Minimum Output
	8 to 10	to 12	
	8 to 9	to 11	
	8 to 10	to 11	
	8 to 9	to 10	
	8 to 9	to 8	
	8 to 10	to 9	
	8 to 11	to 10	
	8 to 11	to 9	
8 to 12	to 10		
8 to 12	to 9		

HOBART/GOULD  
1 & 3 PHASE

Charging Rate Adjustment Table  
Table 2

**FUSE REPLACEMENT**

The silicon diodes in this charger are protected by a "fast-clearing" type fuse.

**CAUTION:** The use of any other type fuse besides the "fast-clearing" type may cause damage to silicon diodes.

**SILICON DIODE TESTING**

**WARNING: ELECTRICAL SHOCK HAZARD** — Before checking electrical components, turn OFF and remove fuses of disconnect switch (supplying AC power to charger), disconnect battery, and short-circuit each capacitor with an insulated screwdriver.

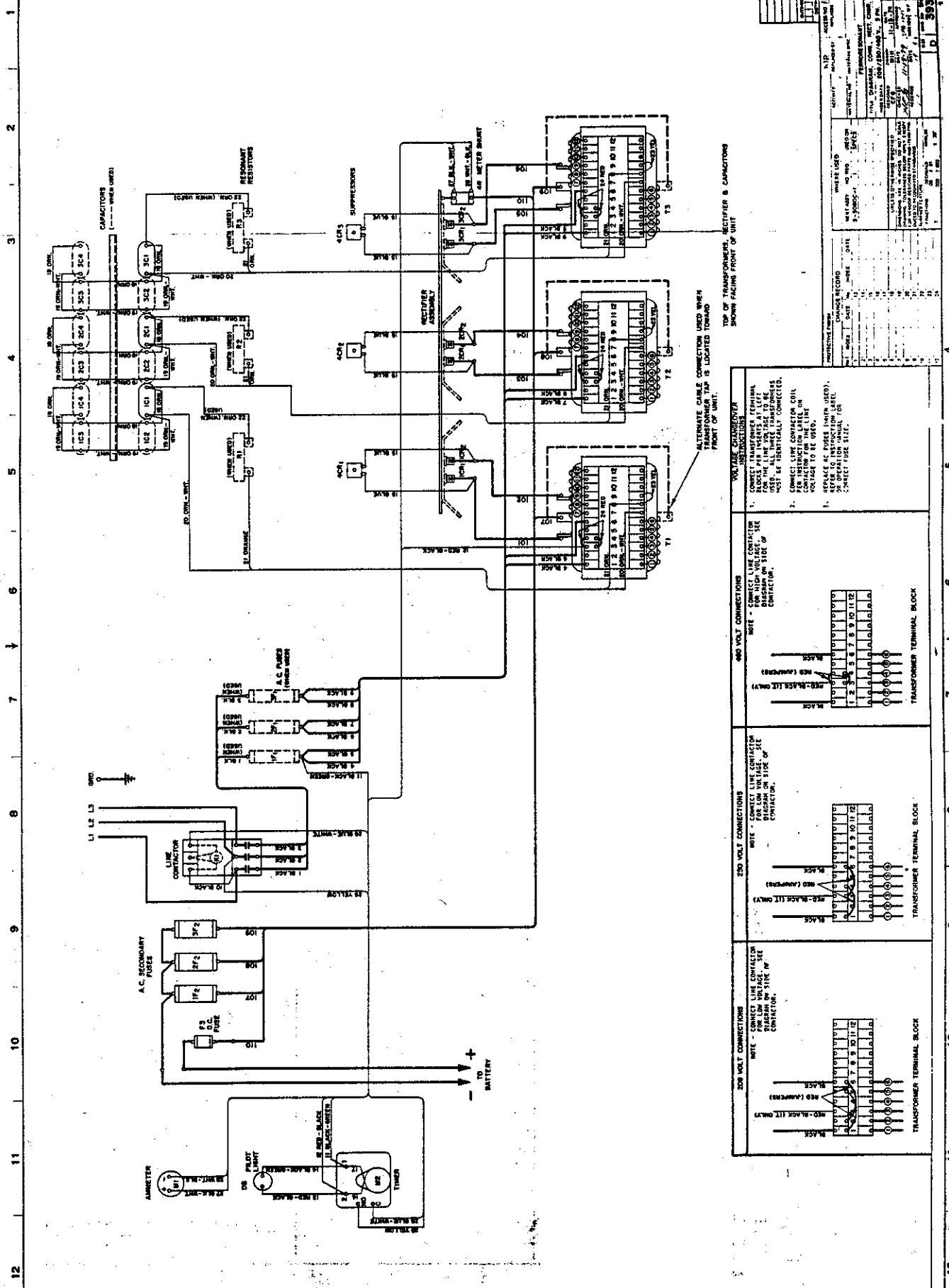
1. Disconnect one diode lead to isolate diode from electrical circuitry.
2. Use a good quality ohmmeter (preferably one having

a mid-scale value of approximately 50 ohms) to measure resistance values.

3. Zero ohmmeter on R x 1 scale.
4. Record indicated resistance while placing either ohmmeter lead on threaded end of diode and other ohmmeter lead on diode lead.
5. Reverse ohmmeter leads on diode and record indicated resistance.
6. Consider diode good if one resistance reading is infinitely (or very) high and the other is extremely low.

**NOTE:** An acceptable low resistance value or range of values can't be given because of different readings from different ohmmeters, and differences in diodes of the same rating.

REV. NO.	1	DATE	10/1/54
DESIGNED BY	...		
CHECKED BY	...		
APPROVED BY	...		
PROJECT NO.	...		
UNIT NO.	...		
WARRANTY	...		
REVISIONS	...		



ALTERNATE CABLE CONNECTION USED WHEN TRANSFORMER TAP IS LOCATED TOWARD FRONT OF UNIT.

TOP OF TRANSFORMER, RECTIFIER & CAPACITORS SHOW FRONT OF UNIT.

**VOLUME CONTROLS INSTRUCTIONS**

1. CONNECT TRANSFORMER TERMINALS FOR THE LINE VOLTAGE TO BE USED. MOST ARE IDENTICALLY CONNECTED.
2. CONNECT LINE CONTACTOR (C)11A PER INSTRUCTION LABEL ON VOLTAGE TO BE USED. REFER TO INSTRUCTION LABEL FOR CHECK FUSE SIZE.
3. REPLACE & FUSES (WHERE USED).

