



Figure 5-6. 51J-4 Dial Cord Arrangement

(e) Replace front panel, KILOCYCLE shaft flat washer, tension washer and collar, and knobs.

5.8.2. DRUM CORD. - If the drum cord has jumped the pulleys, restring it without removing the front panel. If the cord is broken, remove the front panel as in paragraph 5.6.2. Use 27 inches of Collins 432 1009 00 nylon-covered cord for replacement.

(a) Turn BAND CHANGE knob to band 30.

(b) Turn pulley E, figure 5-6, about one-half turn and hold tension of spring.

(c) Insert cord in pulley D and knot it. Wind cord about three-fourths of a turn on pulley D; extend to pulley E, and wind it 1-1/2 turns or more around pulley E as needed. Insert cord in hole and knot it.

(d) Replace panel and knobs.

(e) Turn BAND CHANGE knob to band 15.

(f) Loosen set screw in drum hub and turn drum until 15-mc band is centered in the escutcheon opening; then tighten set screw.

TABLE 5-1

51J-4 TUBE SOCKET RESISTANCE AND VOLTAGE MEASUREMENTS

All measurements taken from socket pins to ground, resistance measurements taken with no a-c input, power on, gain controls on full, AVC on, all other switches off unless otherwise noted.

Voltage measurements taken with 115 volt a-c input, power on, no input signal, r-f gain full on, audio gain off, AVC on, all other switches off unless otherwise noted. Voltages measured with vacuum tube voltmeter, 11 megohms input resistance.

TUBE	PIN	RESISTANCE	VOLTAGE
V101 6AK5	1	1.1 Meg	-1.2
	2	Gnd	Gnd
	3	Gnd	Gnd
	4	Fil	AC 6.3
	5	58K	+58 Band 1
	6	74K	+190 Bands 2 - 3
	7	Gnd	+125 Bands 4 - 30 +100 Gnd
V102 6BE6	1	2	0 Small indication on Bands 2 & 3
	2	470	+1.4
	3	Gnd	Gnd
	4	Fil	AC 6.3
	5	43K	+180 Band 1
	6	88K	Small indication Bands 2 - 3
	7	330K	+210 Bands 4 - 30 +47 -1.3 to -4.5