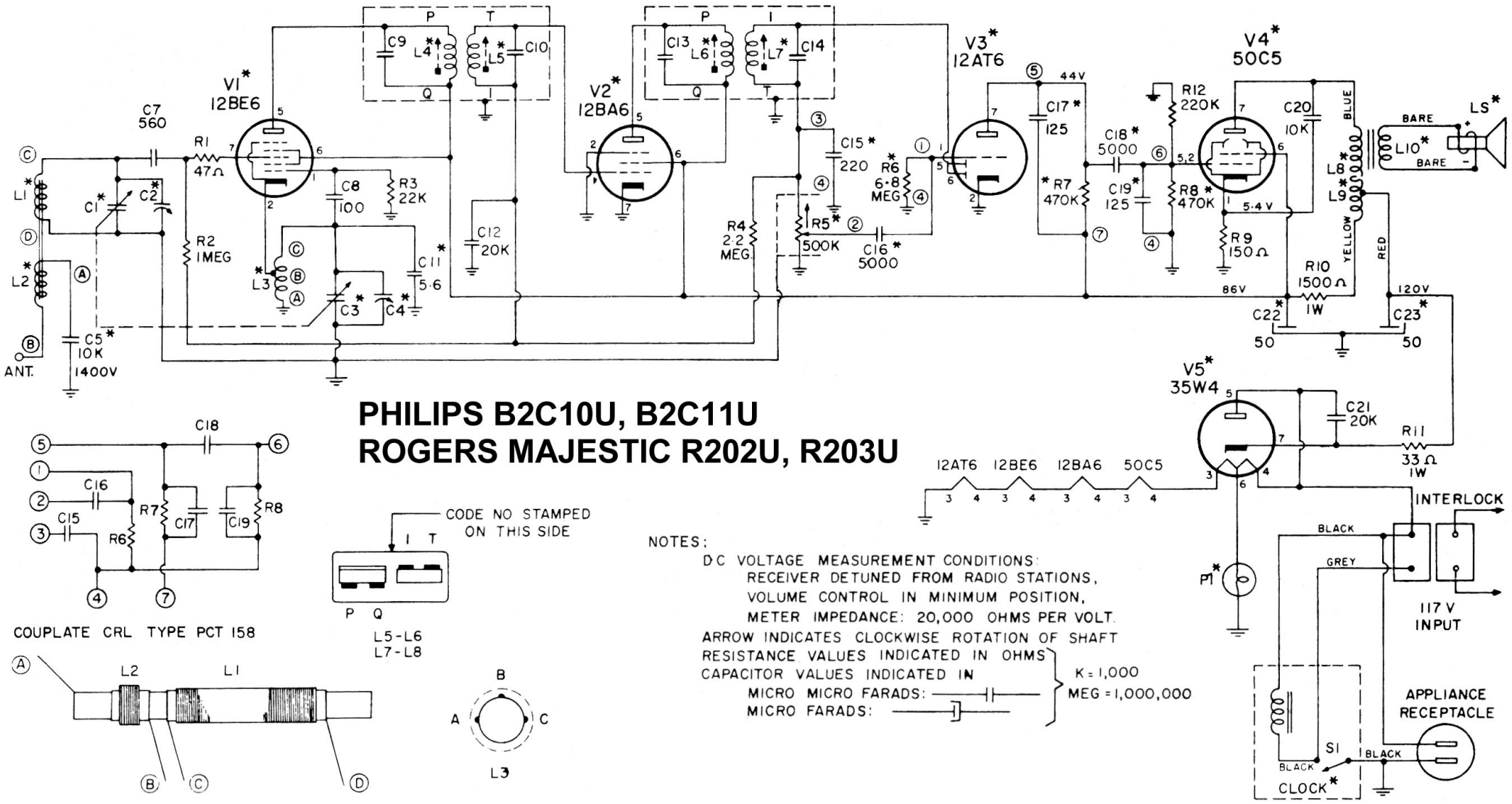



# PHILIPS B2C10U, B2C11U
# ROGERS MAJESTIC R202U, R203U




COUPLATE CRL TYPE PCT 158




L5-L6
L7-L8







L3

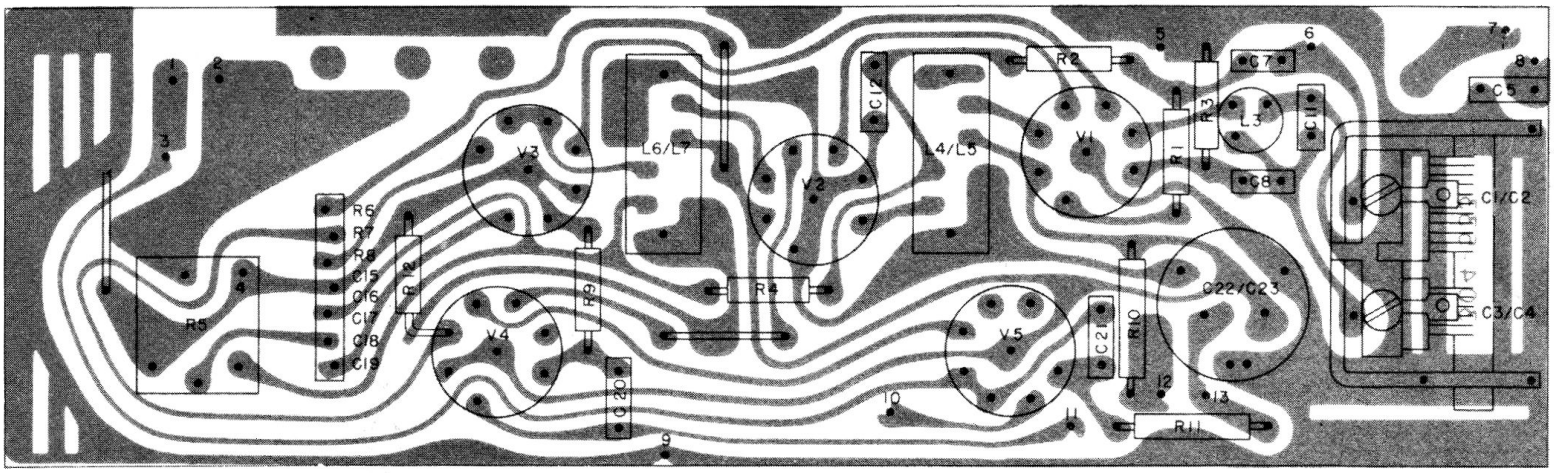
NOTES:

DC VOLTAGE MEASUREMENT CONDITIONS:
RECEIVER DETUNED FROM RADIO STATIONS,
VOLUME CONTROL IN MINIMUM POSITION,
METER IMPEDANCE: 20,000 OHMS PER VOLT.

ARROW INDICATES CLOCKWISE ROTATION OF SHAFT

RESISTANCE VALUES INDICATED IN OHMS
CAPACITOR VALUES INDICATED IN
MICRO MICRO FARADS:
MICRO FARADS:

K = 1,000
MEG = 1,000,000




| TERM. | WIRE COLOR | DESTINATION | |
|---|---|---|---|
| 1 | WHITE | A.C. RECEPTACLE | * |
| 2 | GREY | CLOCK SWITCH | * |
| 3 | BLACK | CLOCK MOTOR | * |
| 4 | BLACK | CLOCK SWITCH | * |
| 5 | NATURAL | ANTENNA COIL | |
| 6 | NATURAL | ANTENNA COIL | |
| 7 | BLUE | ANTENNA COIL | |
| 8 | BLUE | ANTENNA COIL | |
| 9 | BLACK | DIAL LIGHT SOCKET | |
| 10 | WHITE | DIAL LIGHT SOCKET | |
| 11 | BLUE | OUTPUT TRANSFORMER | |
| 12 | YELLOW | OUTPUT TRANSFORMER | |
| 13 | RED | OUTPUT TRANSFORMER | |

* B2C11U/R203U ONLY

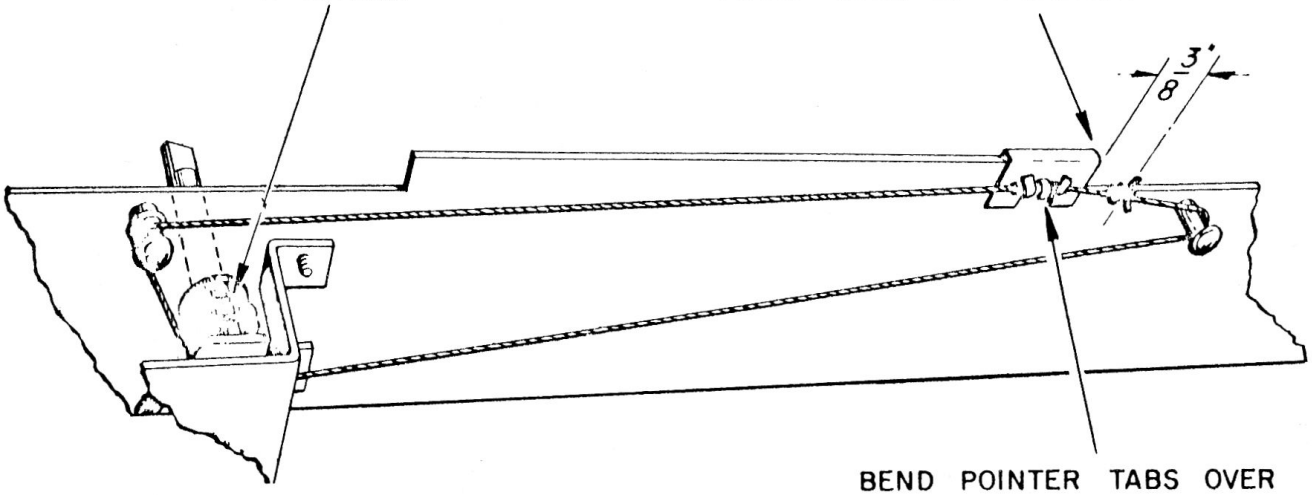
NOTE: R12 NOT USED ON EARLY CHASSIS

JUMPER CONNECTION

# PHILIPS B2C10U, B2C11U
# ROGERS MAJESTIC R202U, R203U

WITH GANG IN FULLY CLOSED POSITION, ALIGN EDGE OF POINTER WITH EDGE OF SLIDER SECTION OF METAL PANEL.

KNOT CORD 3/8" MAX. FROM EDGE OF POINTER.

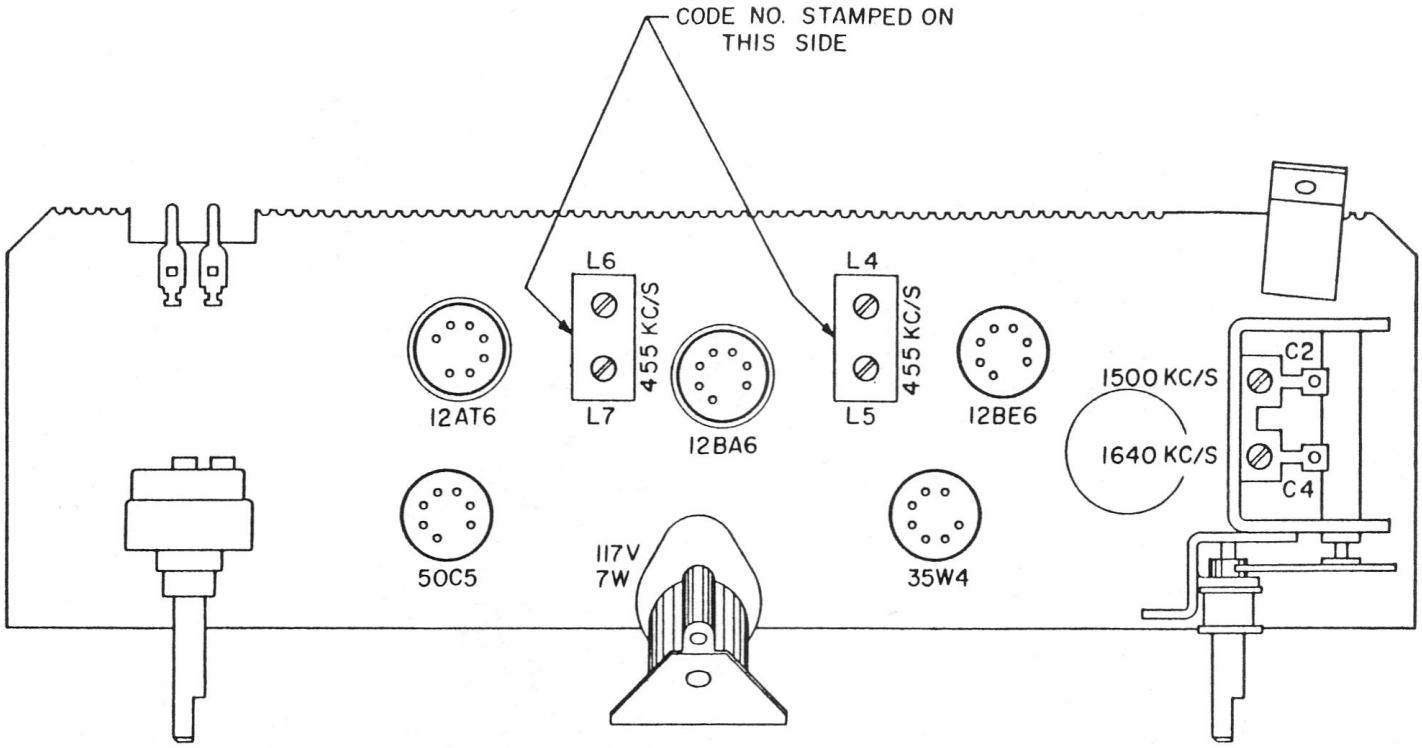



When using a power output meter for output indicator, connect it in place of the speaker voice coil(s) and adjust it for:

4 Ohms impedance for Models B2C11U/R203U
8 Ohms impedance for Models B2C10U/R202U

Do not exceed 500 mw. output during alignment. If an a.c. voltmeter is used, connect it across the voice coil(s) of the speaker(s). Do not exceed 13 V. (B2C11U/R203U) or 18 V. (B2C10U/R202U) output during alignment.

The R.F. signal generator must be capable of supplying modulated R.F. frequencies from 450 Kc. to 1640 Kc. The ground return lead must be connected to the tuning capacitor frame.




## I. F. Amplifier Alignment

1. Set the tuning capacitor to minimum capacitance (plates fully out of mesh).

2. Set the R. F. Signal generator at 455 Kc. and connect the direct output through a 0. 05 μF. capacitor to the stator lug of the rear section of the tuning capacitor.

3. Adjust L7, L6, L5 and L4 in that order to obtain maximum output.

## Oscillator and Antenna Circuit Alignment

1. Set the R. F. signal generator at 1640 Kc. and connect the dummy output through a 200 μμF. capacitor to the antenna terminal.

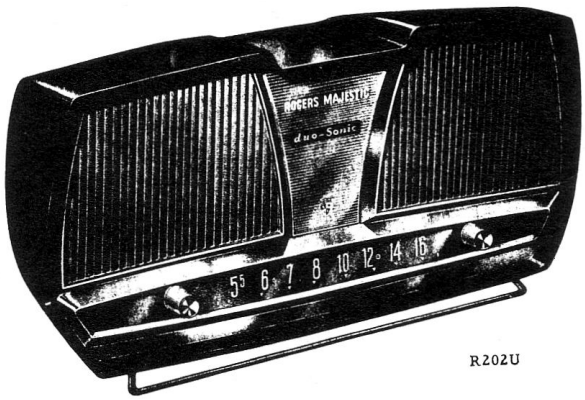
2. Adjust C4 for maximum output.

3. Set the generator at 1500 Kc. and tune in the signal on the receiver.

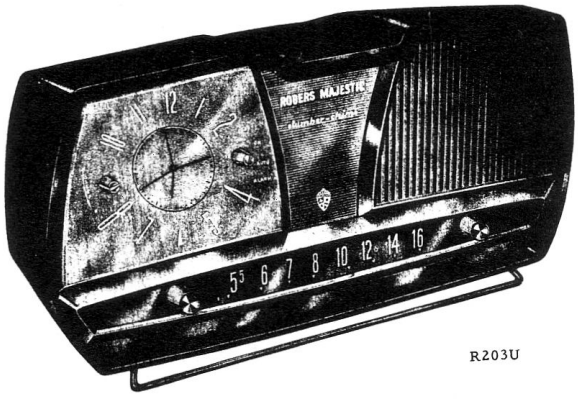
4. Adjust C2 for maximum output.

## Coverage Check

Set the R. F. signal generator at 540 Kc., respectively 1600 Kc. and check that the receiver will tune through each frequency.




R202U




R203U