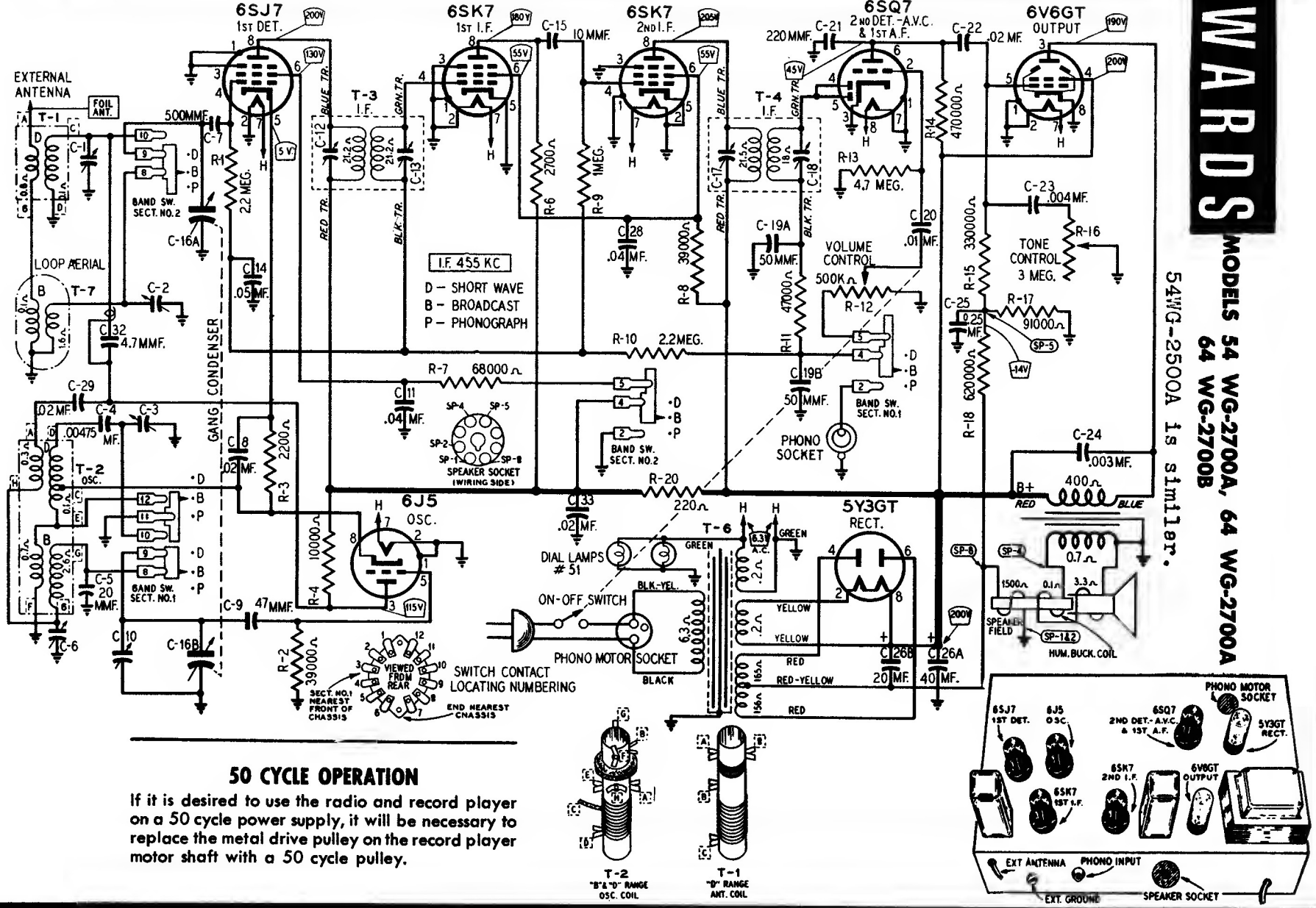

WARDS
MODELS 54 WG-2700A, 64 WG-2700B
54WG-2500A is similar.
6SJ7 1ST DET.
6SK7 1ST I.F.
6SK7 2ND I.F.
6SQ7 2ND DET.-A.V.C. & 1ST A.F.
6V6GT OUTPUT
6J5 OSC.
5Y3GT RECT.
EXTERNAL ANTENNA
FOIL ANT.
LOOP AERIAL
GANG CONDENSER
T-1
T-2 OSC.
T-3 I.F.
T-4 I.F.
T-6
T-7
I.F. 455 KC
D - SHORT WAVE
B - BROADCAST
P - PHONOGRAPH
VOLUME CONTROL 500K
TONE CONTROL 3 MEG.
PHONO SOCKET
SPEAKER SOCKET (WIRING SIDE)
DIAL LAMPS #51
ON-OFF SWITCH
PHONO MOTOR SOCKET
SWITCH CONTACT LOCATING NUMBERING
VIEWED FROM REAR
SECT. NO.1 NEAREST FRONT OF CHASSIS
END NEAREST CNA3313
HUM. BUCK. COIL
SPEAKER FIELD
B+ 400Ω
BAND SW. SECT. NO.1
BAND SW. SECT. NO.2
RED TR.
BLK. TR.
BLUE TR.
GRN. TR.
50 CYCLE OPERATION
If it is desired to use the radio and record player on a 50 cycle power supply, it will be necessary to replace the metal drive pulley on the record player motor shaft with a 50 cycle pulley.
T-2 "B" & "D" RANGE OSC. COIL
T-1 "D" RANGE ANT. COIL
PHONO MOTOR SOCKET
EXT ANTENNA
PHONO INPUT
EXT. GROUND
SPEAKER SOCKET

ALIGNMENT PROCEDURE

Volume Control—Maximum All Adjustments.
Connect Radio Chassis to Ground Post of Signal Generator with a Short Heavy Lead.
Allow Chassis and Signal Generatar to "Heat Up" for several Minutes.

The following equipment is required for aligning:
An All Wave Signal Generator which will provide an accurately calibrated signal at the test frequencies as listed.
Output Indicating Meter; Non-Metallic Screwdriver.
Dummy Antennas—.1 mf., 100 mmf., and 400 ohms.

	SIGNAL GENERATOR		Dummy Antenna	Band Switch Setting	Condenser Setting	ADJUST TRIMMERS TO MAXIMUM
	Frequency Setting	Connection at Radio				
I-F	455 kc	6SJ7, Pin 4	.1 mf	B Range	Turn Rotor to Full Open	2nd I-F (C17) & (C18) 1st I-F (C12) & (C13)
RANGE B	1600 kc	Antenna Lead	100 mmf	B Range	Turn Rotor to Full Open	Oscillator Range B (C10)
	1400 kc	Antenna Lead	100 mmf	B Range	Turn Rotor to Max. Output Set Indicatar to 1400 KC See Note A	Antenna Range B (C2)
	600 kc	Antenna Lead	100 mmf	B Range	Turn Rotor to Max. Output	600 kc (C6) Rock Rotor—See Note B

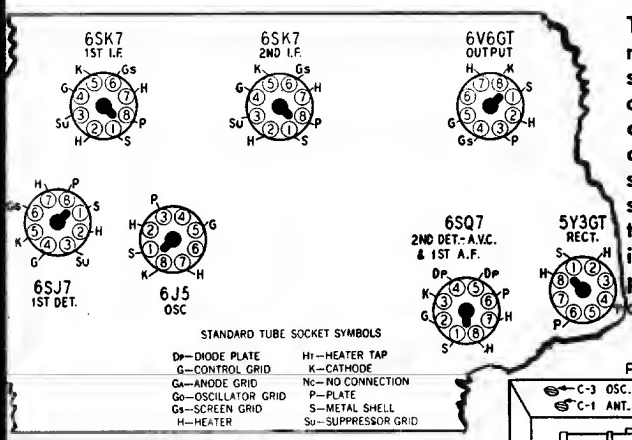
Repeat above oscillator adjustments at 1600 and 600 kc until readjusting the oscillatar Range B Trimmer (C10) causes no further improvement in output.

RANGE D	18,300 kc	Antenna Lead	400 Ohm	D Range	Turn Rotor to Full Open	Oscillator Range D (C3)
	17,000 kc	Antenna Lead	400 Ohm	D Range	Turn Rotor to Max. Output	Antenna Range D (C1) Rock Rotor—See Note B
LOOP RANGE B	Reassemble chassis in cabinet. 1400 kc	Antenna Lead	100 mmf	B Range	Turn Rotor to Max. Output	Antenna Range B (C2)

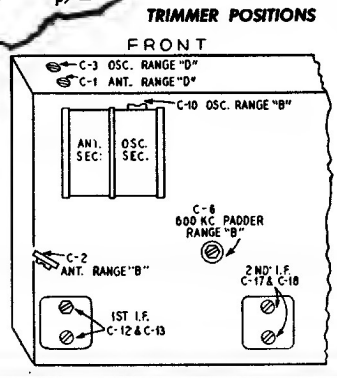
After each range is completed, repeat the procedure as a final check.

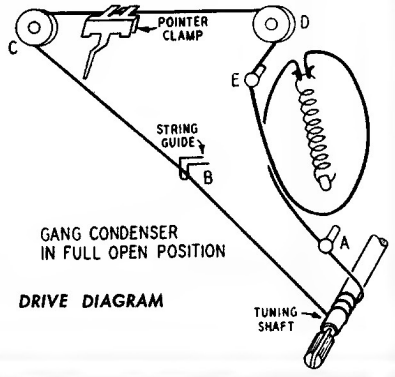
NOTE A—If the pointer is not at 1400 KC on the dial, re-set pointer at the 1400 KC mark on the dial scale.

NOTE B—Turn the rotor back and forth and adjust the trimmer until the peak of greatest intensity is obtained.



Turn the gang condenser to the fully open position. Use a new drive cord 46" long and tie one end to the tension spring. Hook the other end of the tensian spring to the tab on the drive pulley. Pass the cord through the slot in the drive pulley rim and continue one half turn counterclockwise around the drive pulley. Then pass the cord around idler stud A and wind three turns clockwise around the tuning shaft (turns must progress away from chassis). Pass cord through string guide B, over pulleys C and D and around idler stud E. Wrap ¾ turn counterclockwise around drive pulley, stretch the tension spring and tie free end of the cord to spring. Cut off any excess string.





Montgomery Ward & Co.

Models 54 WG-2700A, 64 WG-2700A, & -B