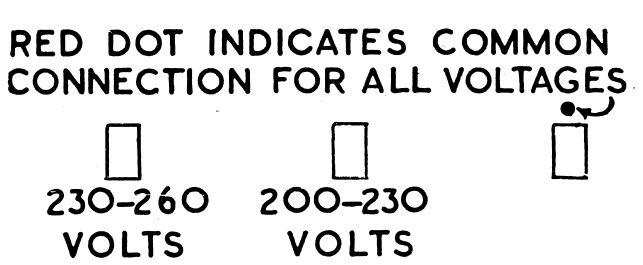
Connection to Power Supply:

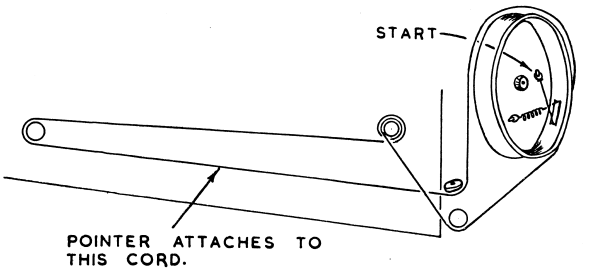
The receiver should not be connected to any circuit supplying other than alternating current from 200-260 volts and at a frequency of 50 c.p.s. only.

The power supply connections are shown in the accompanying diagram.



Drive Cord Replacement:

The accompanying diagram shows the route of the cord and the method of attachment.



ALIGNMENT PROCEDURE

Manufacturer's Setting of Adjustments:

The receiver is tested by the manufacturer with precision instruments and all adjusting screws are sealed. Realignment should be necessary only when components in tuned circuits are repaired or replaced or when it is found that the seals over the adjusting screws have been broken.

It is especially important that the adjustments should not be altered unless in association with the correct testing instruments listed below.

Under no circumstances should the plates of the ganged tuning capacitor be bent, as the unit is accurately aligned during manufacture and cannot be readjusted unless by skilled operators using special equipment.

For all alignment operations, connect the "low" side of the signal generator to the receiver chassis and keep the generator output as low as possible to avoid A.V.C. action. Also keep the volume control in the maximum clockwise position.

Testing Instruments:

(1) A.W.A. Junior Signal Generator, type 2R7003, or

(2) A.W.A. Modulated Oscillator, type J6726.

If the modulated oscillator is used, connect a 0.25 megohm non-inductive resistor across the output terminals.

(3) A.W.A. Output Meter, type 2M8832.

ALIGNMENT TABLE, MODELS 563-MAY, 563-MAZ

Alignment Order:	Connect "high" side of Generator to:	Tune Generator to:	Tune Receiver Dial to:	Adjust for Maximum Peak Output:
1	Aerial Section of Gang (Drive End)	455 Kc/s.	540 Kc/s.	L7 Core
2	Aerial Section of Gang (Drive End)	455 Kc/s.	540 Kc/s.	L6 Core
3	Aerial Section of Gang (Drive End)	455 Kc/s.	540 Kc/s.	L5 Core
4	Aerial Section of Gang (Drive End)	455 Kc/s.	540 Kc/s.	L4 Core
Repeat the above adjustments until the maximum output is obtained.				
5	Inductively coupled to Rod Aerial*	600 Kc/s.	600 Kc/s.	L.F. Osc. Core Adj. (L3)†
6	Inductively coupled to Rod Aerial*	1500 Kc/s.	1500 Kc/s.	H.F. Osc. Adj. (C7)
7	Inductively coupled to Rod Aerial*	1500 Kc/s.	1500 Kc/s.	H.F. Aer. Adj. (C2)
Repeat adjustments 5, 6 and 7.				

* A coil comprising 3 turns of 16 gauge D.C.C. wire and about 12 inches in diameter should be connected between the output terminals of the test instrument, placed concentric with the rod aerial and distant not less than 1 foot from it.

† Rock the turning control back and forth through the signal.