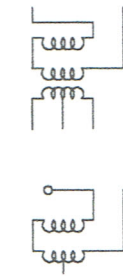
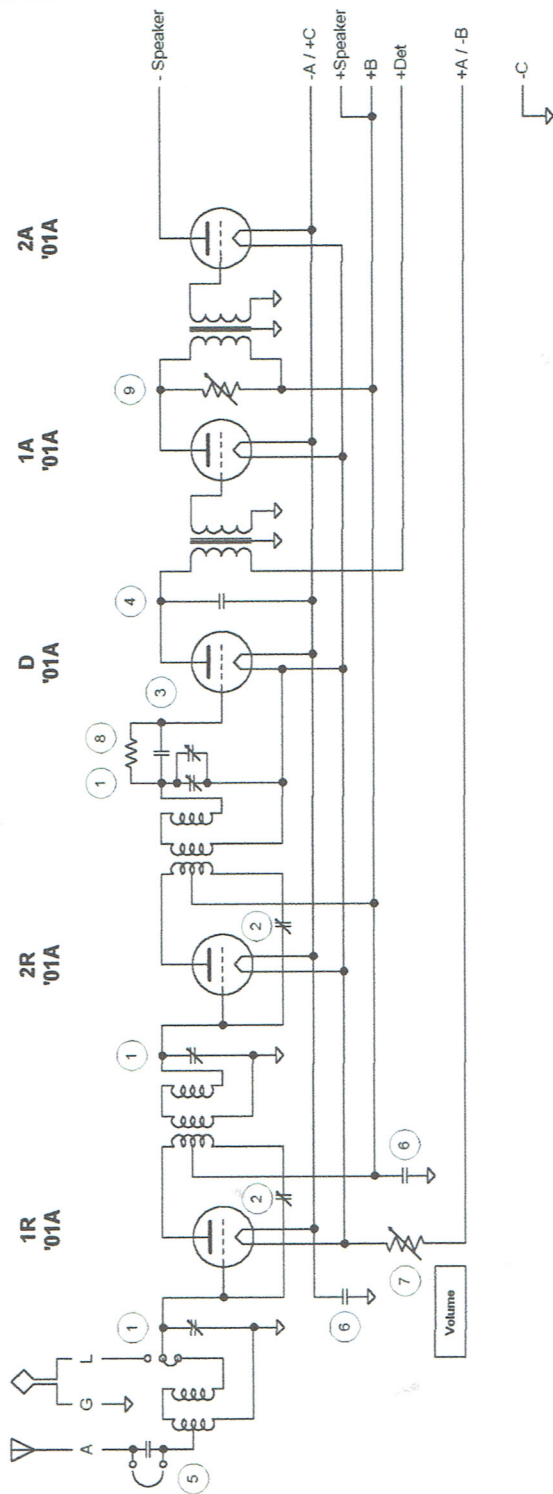


REF	QTY USED	VALUE	DESCRIPTION
1	3	6-225 pfd	Tuning condenser
2	3	5-15 pfd ¹	Trimmer condenser ³
3	1	250 pfd ¹	Detector grid condenser ²
4	1	0.005 mfd	"Phone" condenser ²
5	1	100 to 250 pfd	Antenna coupling cond. (mica)
6	2	1 mfd	Bypass condenser
7	1	6 ohms	Filament rheostat ²
8	1	2 megohms ¹	Detector grid resistor
9	1	500,000 ¹	Volume control

Notes
 1- Assumed value - factory data absent.
 2- Terminology used is not from factory documents.
 3- Mounted on tuning cap. Neutralization on 1R & 2R; tracking on D.



Coil Data

Primary

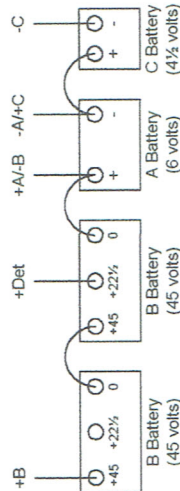
The primary is wound on a 1 3/8" dia form mounted inside the front secondary, i.e. the one that connects to ground. The primary is wound with 18 turns of #14 wire, tapped at the 9th turn. The antenna coil has no primary.

Secondary

The secondary consists of a pair of "binocular" coils. Both coils are wound in the same direction (clockwise, viewed from and starting at the bottom). The bottom of the front coil goes to ground; the bottom of the rear coil goes to the grid. The tops of the two coils are connected together. Each coil consists of 85 turns of 20/38 Litz wire. The forms are 1 5/8" diameter and 2.2" high. Wall thickness is 0.0625". Coils are spaced 1/4" apart.

The coils on the early version are not tapped for range switching.

The antenna binocular coil is tapped for the antenna connection, location unknown. The antenna coil has no primary.



PRELIMINARY

The data presented herein is believed to be correct, but is subject to revision as new information becomes available.

W3NLB		(c) 2003-2004 W3NLB All Rights Reserved	
Grebe Synchrophase MU-1 (early)		Schematic Diagram	
Form No.	W3NLB-001	Rev.	MUTIESCH
Drawn by	Leigh Ericson W3NLB	Scale	1 OF 1
Date	26 Mar 2004	Sheet	E