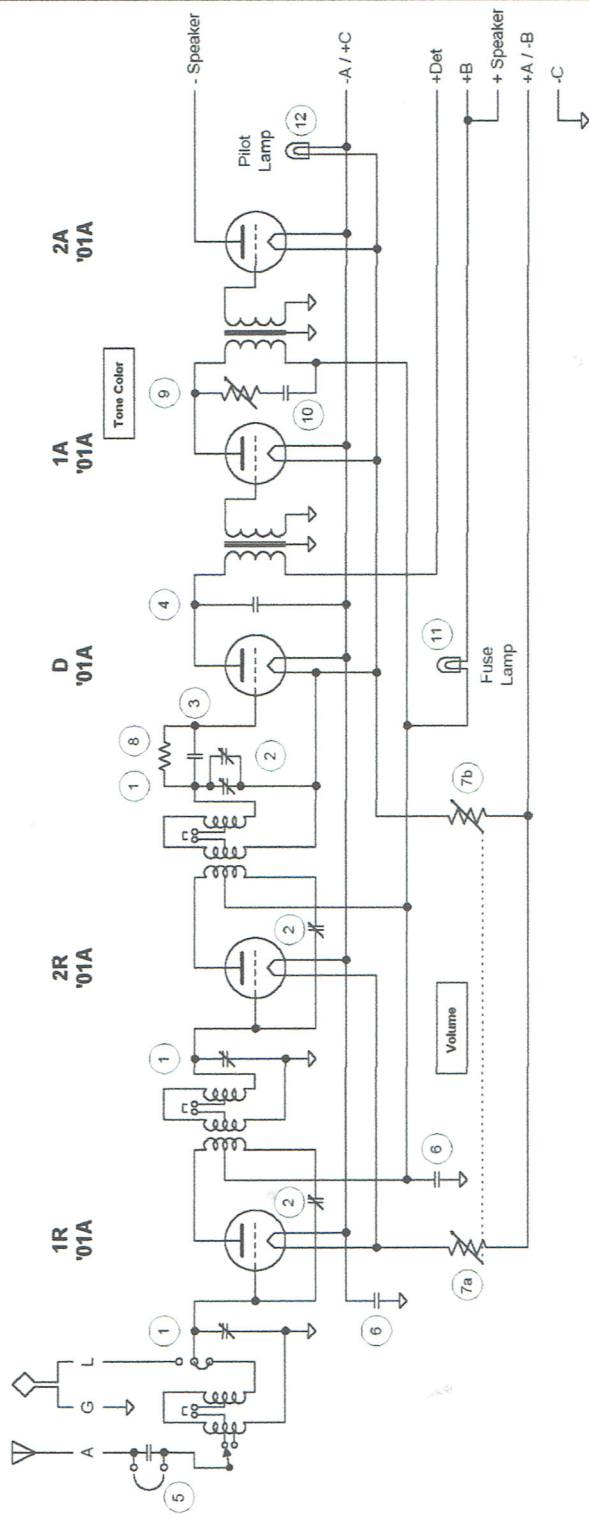
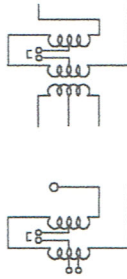


REF	QTY USED	VALUE	DESCRIPTION
1	3	6-225 pfd	Tuning condenser
2	3	5-15 pfd ¹	Trimmer condenser ³
3	1	250 pfd ¹	Detector grid condenser ²
4	1	0.001 mfd ¹	"Phone" condenser ²
5	1	250 pfd ¹	Antenna coupling condenser
6	2	1 mfd	Bypass condenser
7	1	unk	Dual filament rheostat ²
8	1	2 megohms ¹	Detector grid resistor
9	1	unk	Tone color control
10	1	unk	Tone color condenser
11	1		Fuse lamp
12	1		Pilot lamp

Notes
 1 - Measured 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

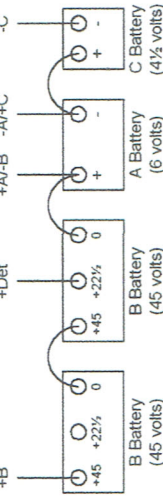
The primary is wound on a 1.3/8" dia form mounted inside the front secondary, i.e. the one that connects to ground. The primary is wound with 18 turns of #14 wire, tapped at the 8th turn. The antenna coil has no primary.

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 are tapped for range switching. The front coil at 50 turns from the bottom, the rear coil at 40 1/2 turns from the bottom.

The tap locations on the antenna binocular coil are at 10 and 15 turns from the bottom. The antenna coil has no primary.



PRELIMINARY

The data presented hereth 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 (mid)	
W3NLB	
FORM 100	MJM/SCH
DATE: 28 Mar 2004	SCALE
DESIGNED BY: Leigh Bassett W3NLB	DATE: 28 Mar 2004
DRWING NO: W3NLB003	
REV: E	SHEET 1 OF 1