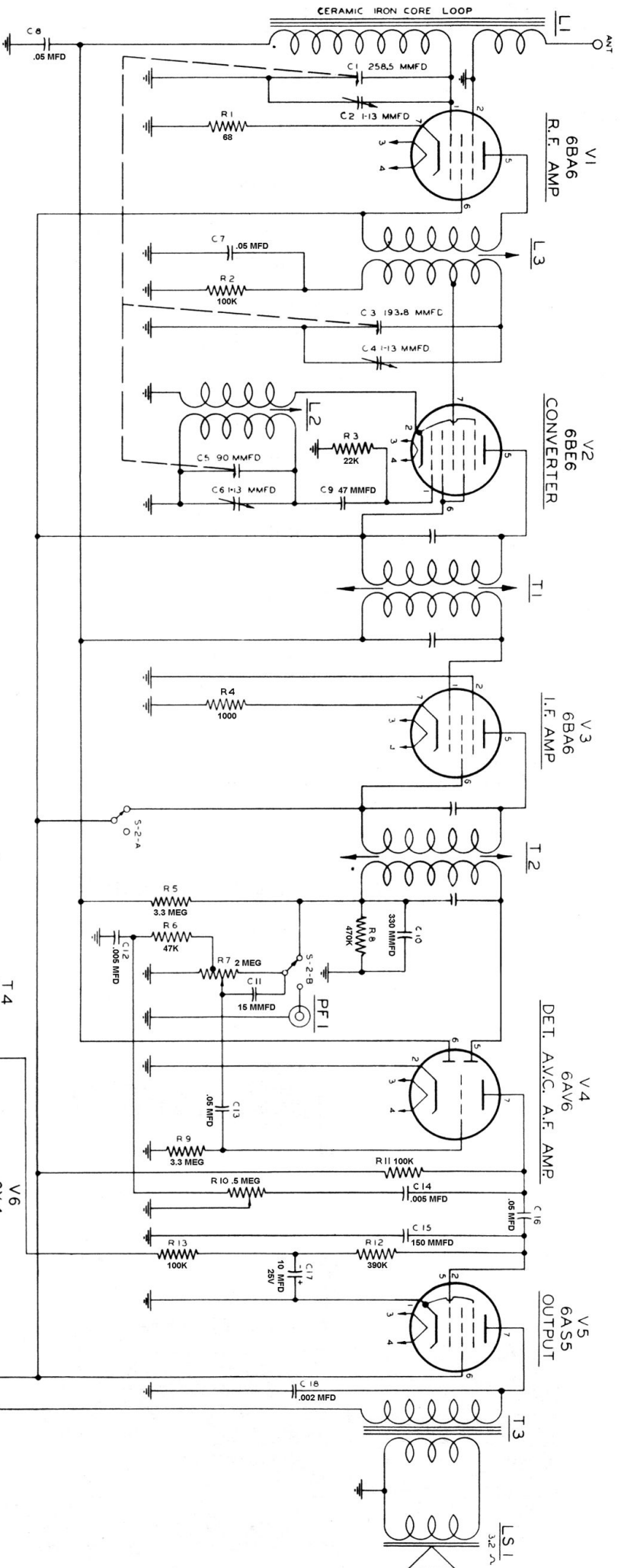
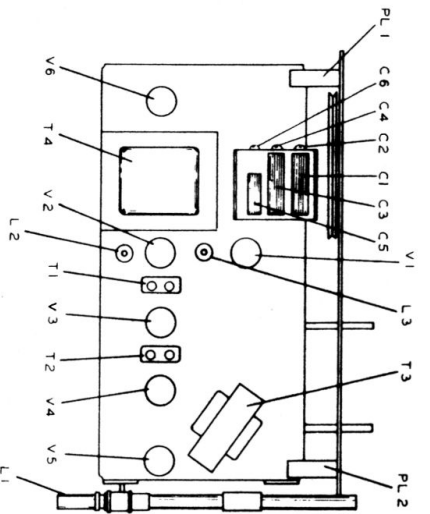




CHASSIS LAYOUT





1. GENERAL

The model 6903 receiver is a six tube superheterodyne radio-phonograph combination covering the standard broadcast band and using a three speed automatic record changer.

2. ELECTRICAL

Tuning Range	540 to 1600 KC/S	Tubes
Intermediate Frequency	455KC/S	6BA6 R.F. Amplifier
Audio output	2 watts	6BE6 Converter
Power supply	Model 6903A, 117V, 60 cycles	6BA6 I.F. Amplifier
Power supply	Model 6903B, 117V, 25 cycles	6AV6 DET, AVC, 1st Audio
Power consumption Radio	45 watts	6AS5 Power Output
Power consumption Radio & Phono.	60 watts	6X4 Rectifier
Speaker	10" Alnico V.P.M.	
Antenna	Ceramic Iron Core Loop	Changer V-M 950

3. ALIGNMENT PROCEDURE

Close the gang. Set the dial indicator opposite the alignment hole in the dial position. Set the volume and tone controls fully clockwise.

	<u>Alignment Frequency</u>	<u>Dummy Antenna</u>	<u>Receiver Connection</u>	<u>Adjust for Max. Output.</u>
(1)	455 kc.	0.1 UF	Rear section of gang	I.F. Slugs of T.1 & T.2 with gang closed.
(2)	530 kc.	0.1 UF	Mid Section of gang	Adjust L.2 slug with gang closed.
(3)	1620 kc.	0.1 UF	Mid Section of gang	Adjust C.6 osc. trimmer with gang open.

Check back over steps 2 and 3.

(4)	600 kc.	1000 ohms	Ant. Term.	Adjust L.3 slug & loose loop turns.
(5)	1400 kc.	1000 ohms	Ant. Term.	Adjust trimmers C.2 & C.4

Check back over steps 4 and 5.

Northern Electric 6903