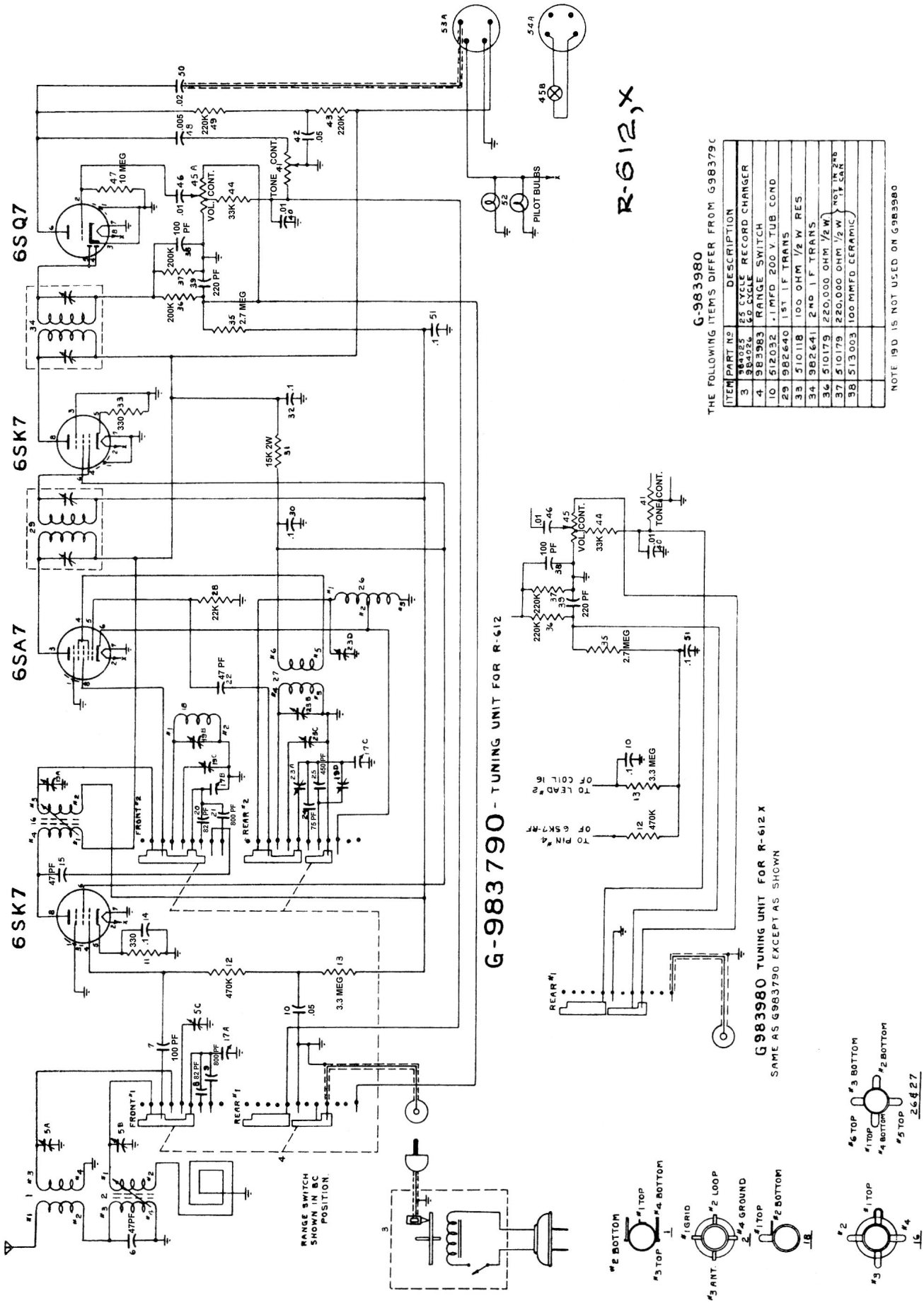
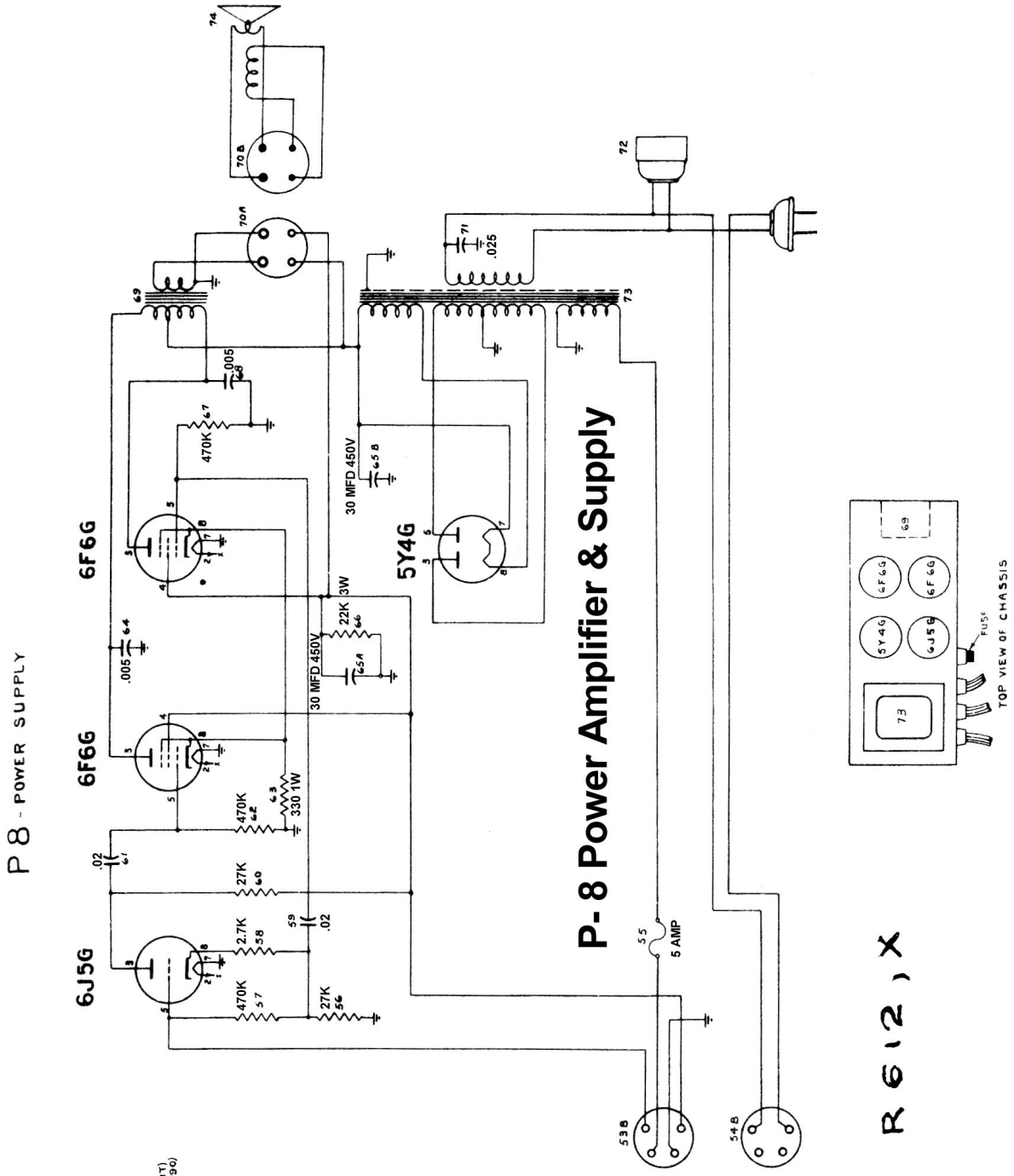

R-612,X
G-983790 - TUNING UNIT FOR R-612
G983980 TUNING UNIT FOR R-612 X
SAME AS G983790 EXCEPT AS SHOWN
G-983980
THE FOLLOWING ITEMS DIFFER FROM G983790
ITEM | PART Nº | DESCRIPTION
3 | 984024 | 25 CYCLE RECORD CHANGER
3 | 984026 | 60 CYCLE
4 | 983983 | RANGE SWITCH
10 | 512032 | .1 MFD 200 V TUB COND
29 | 982640 | 1ST IF TRANS
33 | 510118 | 100 OHM 1/2 W RES
34 | 982641 | 2ND IF TRANS
36 | 510179 | 220,000 OHM 1/2 W
37 | 510179 | 220,000 OHM 1/2 W NOT IN 2ND IF CAN
38 | 513003 | 100 MMFD CERAMIC
NOTE 19D IS NOT USED ON G983980
6SQ7
6SK7
6SA7
6SK7
53A
54A
45B
52
PILOT BULBS
FRONT #2
REAR #2
FRONT #1
REAR #1
RANGE SWITCH SHOWN IN BC POSITION
TO PIN 6 OF 6SK7-A
TO LEAD #16 OF COIL 16
REAR #1
2627


P 8 - POWER SUPPLY
P-8 Power Amplifier & Supply
R612, X
6F6G
6F6G
6J5G
5Y4G
470K 67
.005 68
30 MFD 450V 65B
22K 66
3W
.005 64
30 MFD 450V 65A
470K 62
330 1W 63
.02 61
27K 60
2.7K 58
.02 59
470K 57
27K 56
5 AMP 55
70A
70B
71 .025
72
73
74
53B
54B
TOP VIEW OF CHASSIS
FUSE
6F6G
6F6G
5Y4G
6J5G
6SK7
6SA7
6SA7
6SK7
6SA7
TOP VIEW OF CHASSIS
POINTER CORD - TO RUN IN OUTSIDE GROOVE ON DRUM. 2 CORDS
4½ TURNS OF TUNING SHAFT
CORD DRIVE

R 612, 612 X

ALIGNMENT PROCEDURE

1. Disconnect loop leads, power and switch cable to power unit. Remove four under chassis screws and pull off four panel knobs. Remove tuning unit from cabinet.

2. Re-connect power cable to power unit and short pins on switch socket in order to supply line voltage to receiver. For purposes of alignment the two loop leads may be shorted together (grounded).

3. Check pointer position before attempting alignment. With gang fully meshed the pointer should fall in the center of "C" on letters "BC" indicating first band.

4. Use a well shielded signal generator and weakest output which will give a readable signal. Connect output meter across speaker V.C. leads. Set tone and volume controls in maximum position and proceed with alignment as shown in following table.

5. After alignment, reinstate tuning unit in cabinet and reconnect cables and loop wires. Tune in a signal around 600 Kc and adjust slug in antenna coil (2) for maximum output.

Dummy Ant. in Series With Signal Generator	Connect Signal Generator To	Signal Generator Frequency	Receiver Dial Setting	Range Switch Position	Trimmer or Slug Number	Trimmer Description	Type of Adjustment
.1 mfd.	Stator of 17B	455 Kc	1500 Kc	B.C.	34 A&B 29 A&B	2nd I.F. 1st I.F.	Adjust for maximum output and then repeat adjustment.
200 mmfd.	Ant. lead	1500 Kc	1500 Kc	B.C.	23D, 19A & 5B	B.C. Osc. R.F. & Ant. trimmers	Adjust for maximum output
200 mmfd.	Ant. lead	600 Kc	600 Kc	B.C.	23-A	B.C. Series Pad.	Adjust for maximum output
200 mmfd.	Ant. lead	600 Kc	600 Kc	B.C.	16	B.C. R.F.	Adjust for maximum output
400 ohms	Ant. lead	15 Mc	15 Mc	S.W. 11-15 Mc	23B, 19B 5A	S.W. Osc., R.F. & Ant. trimmers	Adjust for maximum output
400 ohms	Ant. lead	11.8 Mc	11.8 Mc	S.W. 11-15 Mc	27	Adjust end turn	Adjust for maximum output
400 ohms	Ant. lead	10 Mc	10 Mc	S.W. 6-10 Mc	23C, 19C 5C	S.W. Osc. R.F. & Ant. trimmers	Adjust for maximum output
400 ohms	Ant. lead	6 Mc	6 Mc	S.W. 6-10 Mc	19-D	S.W. Osc. Series Pad.	Adjust for maximum output