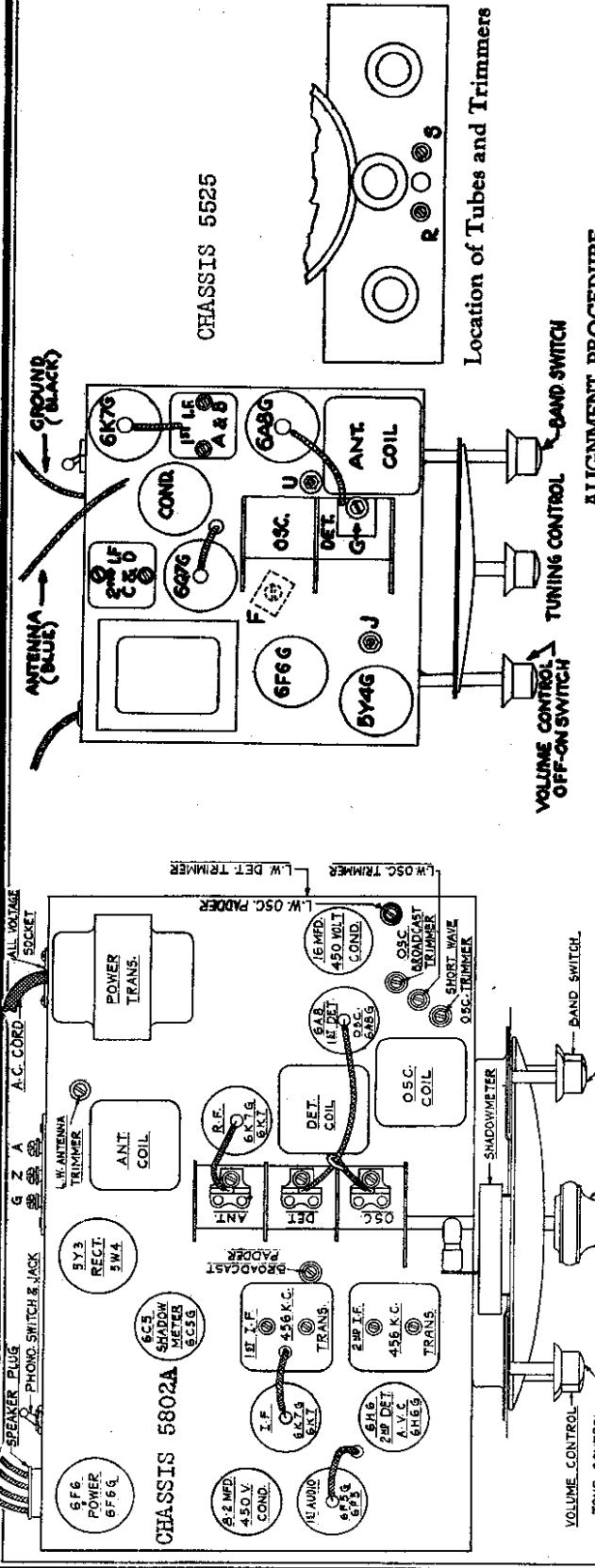


MODELS 5L228, 5L237
 Chassis 5525
 MODELS 8A129, 8A147
 8A154, 8A157
 Chassis 5802A
 Alignment, Socket
 Trimmers

ZENITH RADIO CORP.



ALIGNMENT PROCEDURE

Chassis 5802-A

- (1) Connect the output leads of the signal generator to the grid of the first detector and receiver chassis. Also connect an output meter across the speaker transformer leads.
- (2) Set the signal generator at 456 K. C. and carefully adjust the four I. F. trimmers to the point giving the highest reading on the output meter. The output transformers are of a very high gain, selective type, and these adjustments should be repeated several times in order to secure maximum accuracy. All adjustments should be made using as weak an output from the signal generator as possible in order to prevent the A. V. C. action from affecting the output readings.
- (3) Change the signal generator leads to the antenna and ground terminals of the receiver.
- (4) Set signal generator at 6 M. C.—Switch receiver to Band B and adjust osc. trimmer on gang for correct dial reading at 50 meters.
- (5) Set signal generator at 1500 K. C.—Switch receiver to band A and adjust broadcast trimmer for correct dial reading at 200 meters. Also adjust ant. and det. trimmer on gang to resonance.
- (6) Set signal generator at 17.5 M. C.—Switch receiver to band C and adjust the short wave trimmer while rocking the pointer past 17 meters on the dial to the combination giving the greatest output.
- (7) Set signal generator at 600 K. C.—Switch receiver to band A, and rock pointer past 500 meters on dial while adjusting the broadcast padder (located adjacent to gang condenser) to combination giving the greatest output reading.
- (8) Repeat operation No. 5.
- (9) Set signal generator at 375 K. C. Switch receiver to Band D and adjust long wave osc. trimmer for correct dial reading at 800 meters. Also adjust long wave det. and ant. trimmers (located on side and rear of chassis) for maximum output reading.
- (10) Set signal generator at 150 K. C. and rock pointer past 2000 meters on dial while adjusting the long wave osc. padder to combination giving the highest output reading.
- (11) Repeat operation No. 9.

CHASSIS 5525 Alignment Procedure

Operation	Sig. Gen. Connected to	Dummy	Gen. Freq.	Band Switch	Receiver Dial	Trimmer	Remarks
1	1st Det. Grid	1/2 mfd.	456KC	Med. Wave	550	ABCD	I F Alignment
2	Rec. Ant. Lead	200 mmfd	1500	Med. Wave	1500	F	Set Osc to scale
3	Rec. Ant. Lead	200 mmfd	1500	Med. Wave	1500	G	Adj. for Max. Output
4	" " "	" " "	550	"	550	J	Rock gang and adjust for max. Output
5	" " "	" " "	1500	"	1500	F-G	Repeat two and three
6	" " "	" " "	400	L. W.	400	R	Ser. Osc. to Scale
7	" " "	" " "	400	L. W.	400	S	Adjust for Max. Output
8	" " "	" " "	166.7	L. W.	166.7	U	Rock Gang while adjusting for Max. Output
9	" " "	" " "	400	L. W.	400	R-S	Repeat six and seven