



Note.—Variable selectivity is incorporated in this receiver (right hand lever). Before proceeding with alignment, make sure that the selectivity switch lever is in the left hand position. This is the most selective position.

1. Connect an output meter to the speaker voice coil terminals, or between plate and screen of the receiver (right hand lever). Before proceeding with alignment, make sure that the selectivity switch lever is in the left hand position. This is the most selective position.

2. Turn the manual volume control to maximum volume position (extreme right).

3. For all adjustments, use an all-backelite align-

ing tool which has only a small metal screw-

6-G-6 output tube.

4. Whenever possible, use a broadcast station signal between 1300 and 1400 k.c. to calibrate the receiver dial. If no such station can be heard, you can use a 1400 k.c. signal from your oscillator, provided that it is properly calibrated. To call-

brace the set, turn the dial pointer to the exact frequency setting of the signal, then carefully adjust trimmer No. 7 (broadcast oscillator shunt trimmer) until the signal is tuned in with maxi-

mum volume at its correct frequency setting.

5. With the test oscillator set at 1400 k.c., care-

fully tune receiver to the signal; adjust trimmer to get maximum output meter deflection. Retune the receiver dial pointer to a peak, and readjust the trimmer until the output meter reading cannot be increased. Trimmer No. 16 should also be used to adjust calibration of 550 k.c. end of dial. This procedure must be followed or the receiver will not be properly adjusted.

6. Set the test oscillator to approximately 600 k.c., and tune the receiver to the signal. Adjust trimmer No. 16 (broadcast oscillator series pad) to get maximum output meter deflection. Retune the receiver dial pointer to a peak, and readjust the trimmer until the output meter reading cannot be increased. Trimmer No. 16 should also be used to adjust calibration of 550 k.c. end of dial. This procedure must be followed or the receiver will not be properly adjusted.

7. With a 1400 k.c. signal, recheck alignment of trimmers Nos. 1, 4, and 7.

Carefully adjust the I.F. trimmers Nos. 10, 11, 12, 13, 14, and 15 for maximum output, beginning with 14 and 15. Repeat the six adjustments, since the adjustment of each trimmer has some effect on the others.

I. F. ALIGNMENT

Set the test oscillator to exactly 370 k.c. Connect the output leads of the oscillator through an .02 mfd. coupling condenser to the 6-A-8 control grid to chassis. Range switch should be set to the broadcast position (extreme right).

Carefully adjust the I.F. trimmers Nos. 10, 11, 12, 13, 14, and 15 for maximum output, beginning with 14 and 15. Repeat the six adjustments, since the adjustment of each trimmer has some effect on the others.

VOLTAGE CHART

TUBE LOCATIONS

TYPE	TUBE FUNCTION	NUMBER	PLATE	GRID
6K7	RF AMP	6.3	2.50	75
6K7	1ST. DET.	6.3	2.50	75
6K7	1ST. I.F.	6.3	2.50	75
6K7	2ND. I.F.	6.3	2.50	75
6K7	3RD. I.F.	6.3	2.50	75
6K7	4TH. I.F.	6.3	2.50	75
6K7	5TH. I.F.	6.3	2.50	75
6K7	6TH. I.F.	6.3	2.50	75
6K7	7TH. I.F.	6.3	2.50	75
6K7	8TH. I.F.	6.3	2.50	75
6K7	9TH. I.F.	6.3	2.50	75
6K7	10TH. I.F.	6.3	2.50	75
6K7	11TH. I.F.	6.3	2.50	75
6K7	12TH. I.F.	6.3	2.50	75
6K7	13TH. I.F.	6.3	2.50	75
6K7	14TH. I.F.	6.3	2.50	75
6K7	15TH. I.F.	6.3	2.50	75
6K7	16TH. I.F.	6.3	2.50	75
6K7	17TH. I.F.	6.3	2.50	75
6K7	18TH. I.F.	6.3	2.50	75
6K7	19TH. I.F.	6.3	2.50	75
6K7	20TH. I.F.	6.3	2.50	75
6K7	21TH. I.F.	6.3	2.50	75
6K7	22TH. I.F.	6.3	2.50	75
6K7	23TH. I.F.	6.3	2.50	75
6K7	24TH. I.F.	6.3	2.50	75
6K7	25TH. I.F.	6.3	2.50	75
6K7	26TH. I.F.	6.3	2.50	75
6K7	27TH. I.F.	6.3	2.50	75
6K7	28TH. I.F.	6.3	2.50	75
6K7	29TH. I.F.	6.3	2.50	75
6K7	30TH. I.F.	6.3	2.50	75
6K7	31TH. I.F.	6.3	2.50	75
6K7	32TH. I.F.	6.3	2.50	75
6K7	33TH. I.F.	6.3	2.50	75
6K7	34TH. I.F.	6.3	2.50	75
6K7	35TH. I.F.	6.3	2.50	75
6K7	36TH. I.F.	6.3	2.50	75
6K7	37TH. I.F.	6.3	2.50	75
6K7	38TH. I.F.	6.3	2.50	75
6K7	39TH. I.F.	6.3	2.50	75
6K7	40TH. I.F.	6.3	2.50	75
6K7	41TH. I.F.	6.3	2.50	75
6K7	42TH. I.F.	6.3	2.50	75
6K7	43TH. I.F.	6.3	2.50	75
6K7	44TH. I.F.	6.3	2.50	75
6K7	45TH. I.F.	6.3	2.50	75
6K7	46TH. I.F.	6.3	2.50	75
6K7	47TH. I.F.	6.3	2.50	75
6K7	48TH. I.F.	6.3	2.50	75
6K7	49TH. I.F.	6.3	2.50	75
6K7	50TH. I.F.	6.3	2.50	75
6K7	51TH. I.F.	6.3	2.50	75
6K7	52TH. I.F.	6.3	2.50	75
6K7	53TH. I.F.	6.3	2.50	75
6K7	54TH. I.F.	6.3	2.50	75
6K7	55TH. I.F.	6.3	2.50	75
6K7	56TH. I.F.	6.3	2.50	75
6K7	57TH. I.F.	6.3	2.50	75
6K7	58TH. I.F.	6.3	2.50	75
6K7	59TH. I.F.	6.3	2.50	75
6K7	60TH. I.F.	6.3	2.50	75
6K7	61TH. I.F.	6.3	2.50	75
6K7	62TH. I.F.	6.3	2.50	75
6K7	63TH. I.F.	6.3	2.50	75
6K7	64TH. I.F.	6.3	2.50	75
6K7	65TH. I.F.	6.3	2.50	75
6K7	66TH. I.F.	6.3	2.50	75
6K7	67TH. I.F.	6.3	2.50	75
6K7	68TH. I.F.	6.3	2.50	75
6K7	69TH. I.F.	6.3	2.50	75
6K7	70TH. I.F.	6.3	2.50	75
6K7	71TH. I.F.	6.3	2.50	75
6K7	72TH. I.F.	6.3	2.50	75
6K7	73TH. I.F.	6.3	2.50	75
6K7	74TH. I.F.	6.3	2.50	75
6K7	75TH. I.F.	6.3	2.50	75
6K7	76TH. I.F.	6.3	2.50	75
6K7	77TH. I.F.	6.3	2.50	75
6K7	78TH. I.F.	6.3	2.50	75
6K7	79TH. I.F.	6.3	2.50	75
6K7	80TH. I.F.	6.3	2.50	75
6K7	81TH. I.F.	6.3	2.50	75
6K7	82TH. I.F.	6.3	2.50	75
6K7	83TH. I.F.	6.3	2.50	75
6K7	84TH. I.F.	6.3	2.50	75
6K7	85TH. I.F.	6.3	2.50	75
6K7	86TH. I.F.	6.3	2.50	75
6K7	87TH. I.F.	6.3	2.50	75
6K7	88TH. I.F.	6.3	2.50	75
6K7	89TH. I.F.	6.3	2.50	75
6K7	90TH. I.F.	6.3	2.50	75
6K7	91TH. I.F.	6.3	2.50	75
6K7	92TH. I.F.	6.3	2.50	75
6K7	93TH. I.F.	6.3	2.50	75
6K7	94TH. I.F.	6.3	2.50	75
6K7	95TH. I.F.	6.3	2.50	75
6K7	96TH. I.F.	6.3	2.50	75
6K7	97TH. I.F.	6.3	2.50	75
6K7	98TH. I.F.	6.3	2.50	75
6K7	99TH. I.F.	6.3	2.50	75
6K7	100TH. I.F.	6.3	2.50	75
6K7	101TH. I.F.	6.3	2.50	75
6K7	102TH. I.F.	6.3	2.50	75
6K7	103TH. I.F.	6.3	2.50	75
6K7	104TH. I.F.	6.3	2.50	75
6K7	105TH. I.F.	6.3	2.50	75
6K7	106TH. I.F.	6.3	2.50	75
6K7	107TH. I.F.	6.3	2.50	75
6K7	108TH. I.F.	6.3	2.50	75
6K7	109TH. I.F.	6.3	2.50	75
6K7	110TH. I.F.	6.3	2.50	75
6K7	111TH. I.F.	6.3	2.50	75
6K7	112TH. I.F.	6.3	2.50	75
6K7	113TH. I.F.	6.3	2.50	75
6K7	114TH. I.F.	6.3	2.50	75
6K7	115TH. I.F.	6.3	2.50	75
6K7	116TH. I.F.	6.3	2.50	75
6K7	117TH. I.F.	6.3	2.50	75
6K7	118TH. I.F.	6.3	2.50	75
6K7	119TH. I.F.	6.3	2.50	75
6K7	120TH. I.F.	6.3	2.50	75
6K7	121TH. I.F.	6.3	2.50	75
6K7	122TH. I.F.	6.3	2.50	75
6K7	123TH. I.F.	6.3	2.50	75
6K7	124TH. I.F.	6.3	2.50	75
6K7	125TH. I.F.	6.3	2.50	75
6K7	126TH. I.F.	6.3	2.50	75
6K7	127TH. I.F.	6.3	2.50	75
6K7	128TH. I.F.	6.3	2.50	75
6K7	129TH. I.F.	6.3	2.50	75
6K7	130TH. I.F.	6.3	2.50	75
6K7	131TH. I.F.	6.3	2.50	75
6K7	132TH. I.F.	6.3	2.50	75
6K7	133TH. I.F.	6.3	2.50	75
6K7	134TH. I.F.	6.3	2.50	75
6K7	135TH. I.F.	6.3	2.50	75
6K7	136TH. I.F.	6.3	2.50	75
6K7	137TH. I.F.	6.3	2.50	75
6K7	138TH. I.F.	6.3	2.50	75
6K7	139TH. I.F.	6.3	2.50	75
6K7	140TH. I.F.	6.3	2.50	75
6K7	141TH. I.F.	6.3	2.50	75
6K7	142TH. I.F.	6.3	2.50	75
6K7	143TH. I.F.	6.3	2.50	75
6K7	144TH. I.F.	6.3	2.50	75
6K7	145TH. I.F.	6.3	2.50	75
6K7	146TH. I.F.	6.3	2.50	75
6K7	147TH. I.F.	6.3	2.50	75
6K7	148TH. I.F.	6.3	2.50	75
6K7	149TH. I.F.	6.3	2.50	75
6K7	150TH. I.F.	6.3	2.50	75
6K7	151TH. I.F.	6.3	2.50	75
6K7	152TH. I.F.	6.3	2.50	75
6K7	153TH. I.F.	6.3	2.50	75
6K7	154TH. I.F.	6.3	2.50	75
6K7	155TH. I.F.	6.3	2.50	75
6K7	156TH. I.F.	6.3	2.50	75
6K7	157TH. I.F.	6.3	2.50	75
6K7	158TH. I.F.	6.3	2.50	75
6K7	159TH. I.F.	6.3	2.50	75
6K7	160TH. I.F.	6.3	2.50	75
6K7	161TH. I.F.	6.3	2.50	75
6K7	162TH. I.F.	6.3	2.50	75
6K7	163TH. I.F.	6.3	2.50	75
6K7	164TH. I.F.	6.3	2.50	75
6K7	165TH. I.F.	6.3	2.50	75
6K7	166TH. I.F.	6.3	2.50	75
6K7	167TH. I.F.	6.3	2.50	75
6K7	168TH. I.F.	6.3	2.50	75
6K7	169TH. I.F.	6.3	2.50	75
6K7	170TH. I.F.	6.3	2.50	75
6K7	171TH. I.F.	6.3	2.50	75
6K7	172TH. I.F.	6.3	2.50	75
6K7	173TH. I.F.	6.3	2.50	75
6K7	174TH. I.F.	6.3	2.50	75
6K7	175TH. I.F.	6.3	2.50	75
6K7	176TH. I.F.	6.3	2.50	75
6K7	177TH. I.F.	6.3	2.50	75
6K7	178TH. I.F.	6.3	2.50	75
6K7	179TH. I.F.	6.3	2.50	75
6K7	180TH. I.F.	6.3	2.50	75
6K7	181TH. I.F.	6.3	2.50	75
6K7	182TH. I.F.	6.3	2.50	75
6K7	183TH. I.F.	6.3	2.50	75
6K7	184TH. I.F.	6.3	2.50	75
6K7	185TH. I.F.	6.3	2.50	75
6K7	186TH. I.F.	6.3	2.50	75
6K7	187TH. I.F.	6.3	2.50	75
6K7	188TH. I.F.	6.3	2.50	75
6K7	189TH. I.F.	6.3	2.50	75
6K7	190TH. I.F.	6.3	2.50	75
6K7	191TH. I.F.	6.3	2.50	75
6K7	192TH. I.F.	6.3	2.50	75
6K7	193TH. I.F.	6.3	2.50	75
6K7	194TH. I.F.	6.3	2.50	75
6K7	195TH. I.F.	6.3	2.50	75
6K7	196TH. I.F.	6.3	2.50	75
6K7	197TH. I.F.	6.3	2.50	