TROUBLESHOOTING GUIDE	
DEFECT	POSSIBLE CAUSE
PA IDLING CURRENT UNSTABLE	1. Defective 6HF5 2. Defective Bias Potentiometer 3. Defective Bias Supply
INABILITY TO LOAD TO 500 MA (SEE PAGE 29)	1. PA Grid Improperly Tuned 2. Bandswitch Improperly Set 3. Antenna Not Resonant at Frequency 4. Defective Transmission Line 5. Defective Mobile Antenna Coil 6. V2, V3, V4, V5 Defective 7. R407 or R408 Defective
INSUFFICIENT CARRIER SUPPRESSION	1. Carrier Balance Control Improperly Adjusted. 2. Defective 7360 Balanced Modulator 3. Carrier Oscillator Frequency Incorrect.
INSUFFICIENT SIDEBAND SUPPRESSION	1. Excessive MIC. Gain 2. Incorrect PA Load Adjustment 3. Carrier Oscillator Frequency Incorrect 4. Crystal Filter Mistuned
MICROPHONICS IN TRANSMITTER	1. Excessive Mic. Gain 2. V13, V14, V15 Defective
MICROPHONICS IN RECEIVER	1. Z901 Improperly Tuned 2. V1, V10, V9, V8, V7, or V6 Defective
LOW RECEIVER SENSITIVITY	1. PA Grid, Plate, or Load Improperly Set 2. Bandswitch Improperly Set 3. K2 Back Contacts Defective 4. V6, V7, V8, V9, V10, V11, V12 Defective.

VOLTAGE CHART													
TUBE TYPE		PIN NO.											
		1	2	3	4	5	6	7	8	9	10	11	12
V1 6EW6	R	0	.75	6.3	0	130	130	0					
	T	0	.75	6.3	0	125	125	0					
V2 12BE6	R	90	0	12.6	0	245	240	-90					
	T	-2.0	0	12.6	0	245	100	0					
V3 6GK6	R	0	-80	0	6.3	0	0	255	255	0			
	T	0	-6.0	0	6.3	0	0	250	250	0			
V4 6HF5	R	6.3	—	—	0	75	0	—	0	-75	0	—	0
	T	6.3	—	—	.12	75	215	—	215	-75	.12	—	0
V5 6LF5	R	12.6	—	—	0	-75	0	—	0	-75	0	—	6.3
	T	12.6	—	—	.12	-75	215	—	2.5	-75	.12	—	6.3
V6 12BZ6	R	0	2.4	0	6.3	230	140	0					
	T	-85	0	0	6.3	230	0	0					
V7 12BE6	R	-3.0	0	12.6	0	235	75	0					
	T	-3.0	0	12.6	0	210	0	-75					
V8 6EW6	R	0	3.0	12.6	6.3	230	130	0					
	T	0.2	0.5	12.6	6.3	200	120	0					
V9 12BA6	R	0	0	12.6	0	250	105	3.2					
	T	75	0	12.6	0	220	0	0					
V10 12AX7	R	105	-0.6	0	12.6	0	160	0	3.4	1.0	6.3		
	T	100	-70	0	12.6	0	105	0	1.0	1.0	6.4		
V11 6BN8	R	0.2	22	0.2	12.6	6.3	0	200	5	70			
	T	0	21	0	12.6	6.3	70	100	3	10			
V12 6GK6	R	0	6	-	12.6	6.3	—	240	230	0			
	T	0	21	—	12.6	6.3	—	250	220	0			
V13 7360	R	0	240	-90	6.3	0	225	225	25	25			
	T	0	35	0	6.3	0	185	185	33	28			
V14 12BA6	R	-7	0	0	12.6	60	100	0					
	T	-7	0	0	12.6	60	200	0					
V15 12AX7	R	95	0	0.3	6.3	6.3	70	0.2	0	0			
	T	60	0	0.3			50	0.2	0	0			
V16 OA2	R	150	-	-		150		0					
	T	150	-	-	-	150		0					
All Voltage Measurements Made With Simpson 260, 20 K Ohms Per Volt, Or Equivalent													