

MODEL 10H571R 49-424 12"
10H573 49-424 12"

QMT PT	PART NO	DESCRIPTION	QMT PT	PART NO	DESCRIPTION	QMT PT	PART NO	DESCRIPTION	QMT PT	PART NO	DESCRIPTION	QMT PT	PART NO	DESCRIPTION	QMT PT	PART NO	DESCRIPTION
C1	22-1121	TWO GANG VARIABLE	C29	22-1187	.00015 MFD.	600K	R46	63-1180	15M OHM	1V	8	53559	COIL & RES. ASSEMBLY	A1	22-1045	1ST L.F. TRANS. PH. (F.M.)	
C2	22-319	.005 MFD.	C30	22-1126	.01 MFD.	400K	R45	63-1180	33M OHM	1V	9	53556	WAVE TRAP	B1	22-1045	1ST L.F. - SEC. (F.M.)	
C3	22-827	.1 MFD.	C31	22-1189	.05 MFD.	400K	R47	63-597	470M OHM	1V	10	95-763	1ST L.F. TRANSFORMER (A.M.)	A2	22-1045	2ND L.F. - PH. (F.M.)	
C4	22-829	.05 MFD.	C32	22-1136	.0025 MFD.	200K	R48	63-607	15M OHM	1V	11	95-766	2ND L.F. - (A.M.)	B2	22-1045	2ND L.F. - SEC. (F.M.)	
C5	22-1123	5MFD. ELECTROLYTIC	C33	22-448	.004 MFD.	600K	R49	63-583	1000 OHM	1V	12	95-765	1ST L.F. - (F.M.)	A3	22-1045	3RD L.F. - PH. (F.M.)	
C6	22-263	.01 MFD.	C34	22-830	.05 MFD.	400K	R49	63-679	82M OHM	1V	13	95-786	2ND L.F. - (F.M.)	B3	22-1045	3RD L.F. - SEC. (F.M.)	
C7	22-1146	50 MFD. COMP.	C35	22-1002	.04 MFD.	200K	R20	63-1150	2 SECTION CANNON	1V	14	95-787	3RD L.F. - (F.M.)	A4	22-1045	DISCRIMINATOR L.F. TRANS. PH.	
C8	22-1139	50 MFD. COMP.	C36	22-1134	.005 MFD.	1000K	R21	63-160	100M OHM	1V	15	95-788	DISCRIMINATOR L.F. TRANS. PH.	B4	22-1045	DISCRIMINATOR L.F. TRANS. PH.	
C9	22-1133	15 MFD. CERAMIC	C37	22-366	.04 MFD.	600K	R22	63-271	1 MEG OHM	1V	16	53555	PLATE PEAKING COIL	E	22-1045	WAVE TRAP	
C10	22-840	COMPENSATING COND.	C38	22-1189	.0005 MFD.	400K	R23	63-1179	1000 OHM	1V	17	53560	GRID	F	22-1045	BROADCAST ANTENNA	
C11	22-162	.0001 MFD.	C39	22-1184	30 MFD. ELECTROLYTIC	450K	R24	63-773	180M OHM	1V	18	95-284	AUTOMATIC TUNING UNIT (F.M.)	J	22-1045	BROADCAST MIDDLE	
C12	22-825	.1 MFD.	C40	22-1041	.005 MFD.	600K	R25	63-1074	VOLUME CONTROL	1V	19	95-284	AUTOMATIC TUNING UNIT (F.M.)	K	22-1045	SHORT WAVE OSC. NOTE 1	
C13	22-140	30 MFD.	C41	22-249	.005 MFD.	600K	R26	63-701	470 OHM	1V	20	95-284	BAND SELECTOR SWITCH	M	22-1045	SHORT WAVE ANT. NOTE 1	
C14	22-1039	DUAL PADDER	C42	22-492	.002 MFD.	600K	R27	63-593	47M OHM	1V	21	95-284	PLATE CHOKE	N	22-1045	PULSE BAND OSC. NOTE 1	
C15	22-358	.002 MFD.	C43	63-741	150 OHM	400K	R1	63-741	150 OHM	1V	22	95-284	F.M. L.F. WAVE TRAP	O	22-1045	ULTRA HIGH FREQ. DET. (PLATE)	
C16	22-828	.05 MFD.	C44	63-600	2 R. MEG OHM	400K	R2	63-600	2 R. MEG OHM	1V	23	95-284	SPK. L.F. WAVE TRAP	P	22-1045	ULTRA HIGH FREQ. DET. (GRID)	
C17	22-127	25 MFD.	C45	63-1159	33M OHM	400K	R3	63-1159	33M OHM	1V	24	95-284	TONE CONTROL SW. ASSEM.	Q	22-1045	PULSE BAND ANT. NOTE 1	
C18	22-1178	5MFD. ELECTROLYTIC	C46	63-600	100M OHM	400K	R4	63-600	100M OHM	1V	25	95-284	L.I. CHOKE	R	22-1045	ULTRA HIGH FREQ. ANTENNA	
C19	22-1178	5MFD. ELECTROLYTIC	C47	63-600	100M OHM	400K	R5	63-600	100M OHM	1V	26	95-284	ANTENNA CHANGEOVER SW.	S	22-1045	NOTE 1	
C20	22-1178	5MFD. ELECTROLYTIC	C48	63-600	100M OHM	400K	R6	63-600	100M OHM	1V	27	95-284	POWER TRANS. 50-60W	T	22-1045	NOTE 2	
C21	22-1178	5MFD. ELECTROLYTIC	C49	63-600	100M OHM	400K	R7	63-600	100M OHM	1V	28	95-284	PILOT LIGHT 6.3V .25A	U	22-1045	NOTE 3	
C22	22-1178	5MFD. ELECTROLYTIC	C50	63-600	100M OHM	400K	R8	63-600	100M OHM	1V	29	95-284	AUDIO FILTER SWITCH	V	22-1045	NOTE 4	
C23	22-1178	5MFD. ELECTROLYTIC	C51	63-600	100M OHM	400K	R9	63-600	100M OHM	1V	30	95-284	MANUAL FM OSC. COIL	W	22-1045	NOTE 5	
C24	22-1178	5MFD. ELECTROLYTIC	C52	63-600	100M OHM	400K	R10	63-600	100M OHM	1V	31	95-284	1ST L.F. TRANS. PH. (A.M.)	X	22-1045	NOTE 6	
C25	22-1178	5MFD. ELECTROLYTIC	C53	63-600	100M OHM	400K	R11	63-600	100M OHM	1V	32	95-284	2ND L.F. - SEC. (A.M.)	Y	22-1045	NOTE 7	
C26	22-1178	5MFD. ELECTROLYTIC	C54	63-600	100M OHM	400K	R12	63-600	100M OHM	1V	33	95-284	2ND L.F. - PH. (A.M.)	Z	22-1045	NOTE 8	
C27	22-1178	5MFD. ELECTROLYTIC	C55	63-600	100M OHM	400K	R13	63-600	100M OHM	1V	34	95-284	2ND L.F. - SEC. (A.M.)				
C28	22-1178	5MFD. ELECTROLYTIC	C56	63-600	100M OHM	400K	R14	63-600	100M OHM	1V	35	95-284	2ND L.F. - SEC. (A.M.)				

Models 10H571R, 10H573

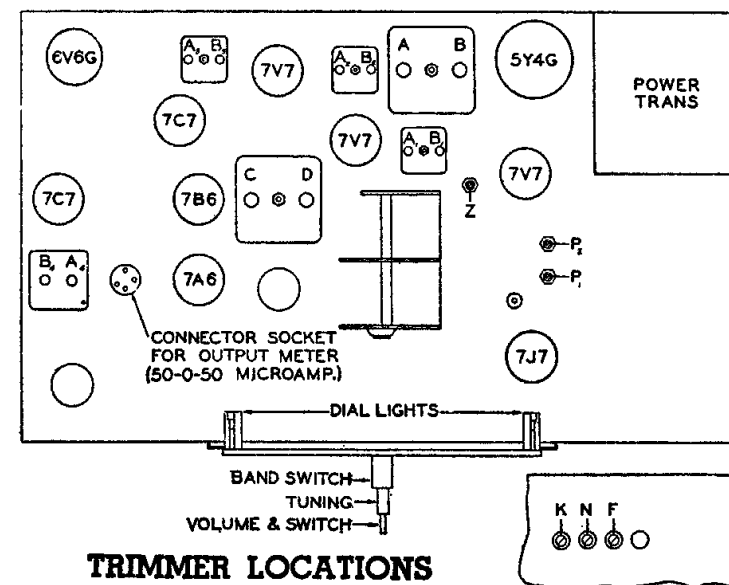
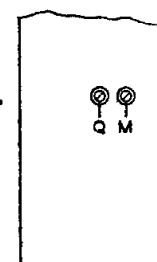
Chassis No. 10A3R

Note: Adjust FM I.F. frequency to value designated on I.F. transformer.

Note!

#S-9434 "Radex" loop may be substituted for I turn loop during alignment.

AMP MOD. I.F. FREQUENCY 455 KC.
FREQ. MOD. I.F. FREQUENCY 86 MC.
10 TUBE SUPERHETERODYNE
CHASSIS NO. 10A3R-A-C-4 BAND
ZENITH RADIO CORPORATION
CHICAGO, ILL.



Models 10H571R, 10H573

Chassis No. 10A3R

All voltages measured with a 20,000 ohm per volt meter from chassis to socket contact indicated.

All voltages are positive D.C. unless marked otherwise.

Volume control full on.

Line voltage 117 A.C.

Power consumption 90 watts.

Power output 6.5 watts.

Tuning Ranges

540 Kc. to 1600 Kc.

1.5 Mc. to 5.2 Mc.

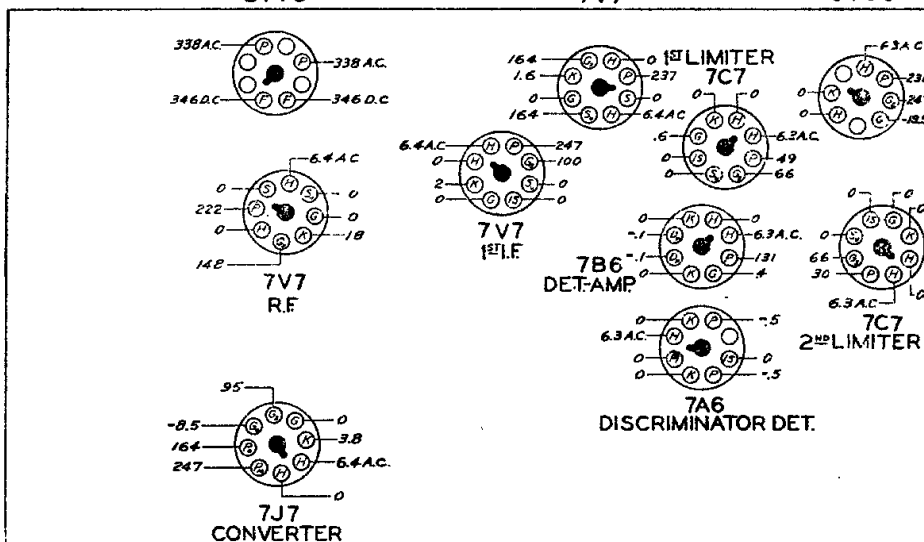
5.7 Mc. to 18.5 Mc.

41.5 Mc. to 50.5 Mc.

RECTIFIER
5Y4G

2ND I.F.
7V7

PWR. AMP
6V6G



ALIGNMENT PROCEDURE

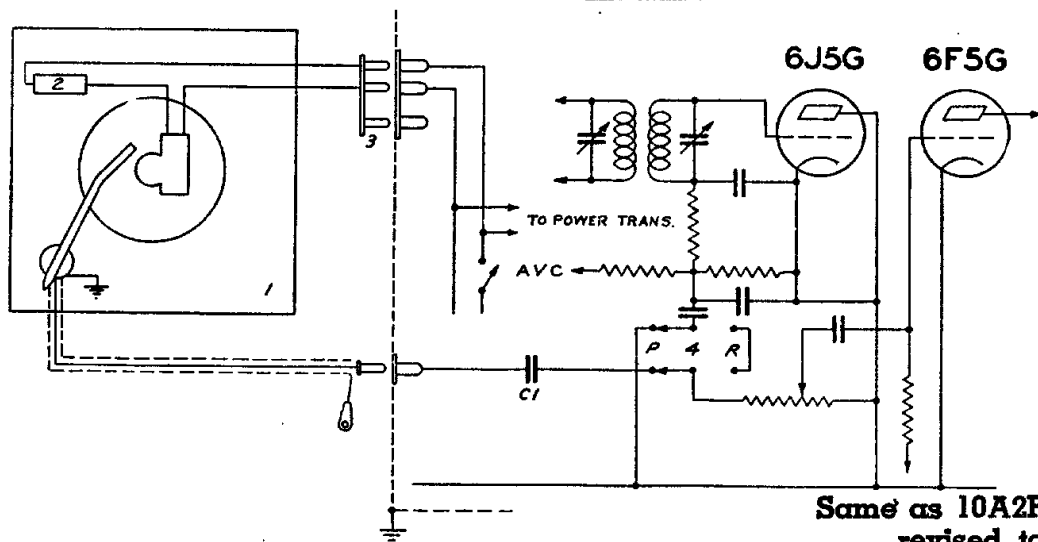
Opr.	Connect Test Oscillator to	Dummy Antenna	Input Signal Frequency	Band	Set Dial At	Trimmers	Purpose
1	Converter Grid	.5 mid.	455 Kc.	BC	600 Kc.	A, B, C, D,	Align I. F.
2	R. F. Grid	"	455 Kc.	BC	600 Kc.	E	Adj. Wave Trap for Minimum
3	Antenna Z and G	400 ohms	18 Mc.	SW	18 Mc.	K	Set Oscillator to Scale
4	"	"	16 Mc.	SW	16 Mc.	M	Align Antenna
5	"	"	5.0 Mc.	Med.	5.0 Mc.	N	Set Oscillator to Scale
6	"	"	4.5 Mc.	Med.	4.5 Mc.	Q	Align Antenna
7	1 Turn Loop Made with Generator Leads to 10" dia.	—	1400 Kc.	BC	1400 Kc.	F	Set Oscillator to Scale
8	See Note!	—	1400 Kc.	BC	1400 Kc.	G	Align Antenna
9		—	600 Kc.	BC	600 Kc.	J	Rock Gang to Track BC Padder

F. M. ALIGNMENT — See Pages 126-127

X = FM output meter across full discriminator load.

Y = FM output meter across half discriminator load.

10	7V7 2nd I.F. Grid	.5 mid.	8.6 Mc.	Manual FM	8.6 Mc.	A 4	Align for Maximum deflection—Y
11	"	"	8.6 Mc.	"	8.6 Mc.	B 4	Align for Zero deflection—X
12	"	"	8.6 Mc.	"	8.6 Mc.	A 3 - B 3	Align for Maximum deflection—Y
13	7V7 1st I.F. Grid	"	8.6 Mc.	"	8.6 Mc.	A 2 - B 2	" — Y
14	Converter Grid	"	8.6 Mc.	"	8.6 Mc.	A 1 - B 1	" — Y
15	FM Ant. Terminals	100 ohms	46. Mc.	"	46. Mc.	Adj. Cam on Gang Shaft to Scale Osc.	Align for Zero deflection—X
16	"	"	42.5 Mc.	"	42.5 Mc.	P 1	Align for Maximum deflection—Y
17	"	"	49. Mc.	"	49. Mc.	P 2	" — Y
18	"	"	46. Mc.	"	46. Mc.	Z	" — Y



DIAG. NO.	PART NO.	DESCRIPTION
C1	22-1189	.00075 MFD. 630 V.
1	169-63	WEBSTER AUTOMATIC RECORD PLAYER
2	85-191	A.C. SWITCH
3	58-85	A.C. PLUG
4	85-228	PHONO-RADIO SW.

PHONO CIRCUIT DATA
MODEL 10S599
SPEAKER 49-442-14"
CHASSIS No 10A2R

Same as 10A2R with audio compensation revised to match new pickup.