

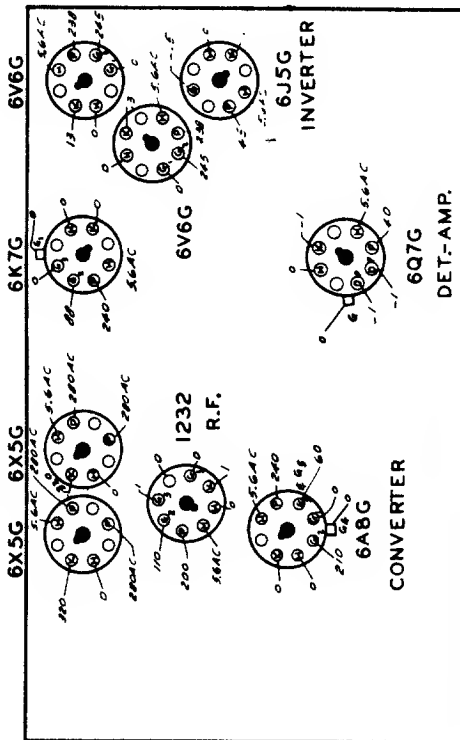
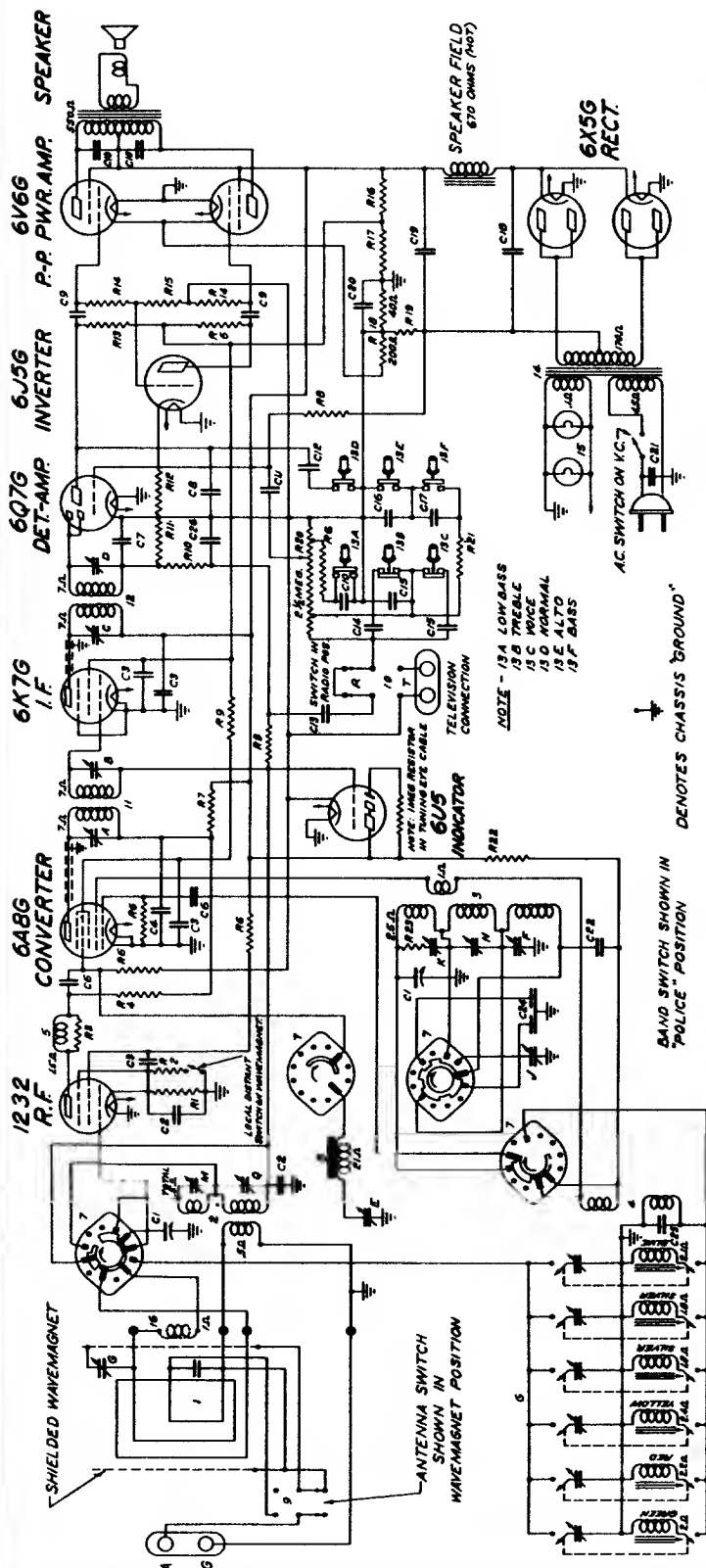
Zenith Radio Corp.

Zenith Radio Corp.			
	Model: 10-S-492	Chassis:	Year: Pre June 1940
	Power:	Circuit:	IF:
	Tubes:		
	Bands:		
Resources			
Beitmans 1940 191			
Beitmans 1940 192			
Beitmans 1940 193			
Beitmans 1940 194			
Beitmans 1940 195			
Riders 11 (XI) ZENITH 11-24			
Riders 11 (XI) ZENITH 11-29			

MANUAL OF 1940 MOST POPULAR SERVICE DIAGRAMS

Models 10S443—10S452—10S464—10S470—10S491—10S492

CHASSIS No. 1005



Socket Voltages

FRONT OF CHASSIS

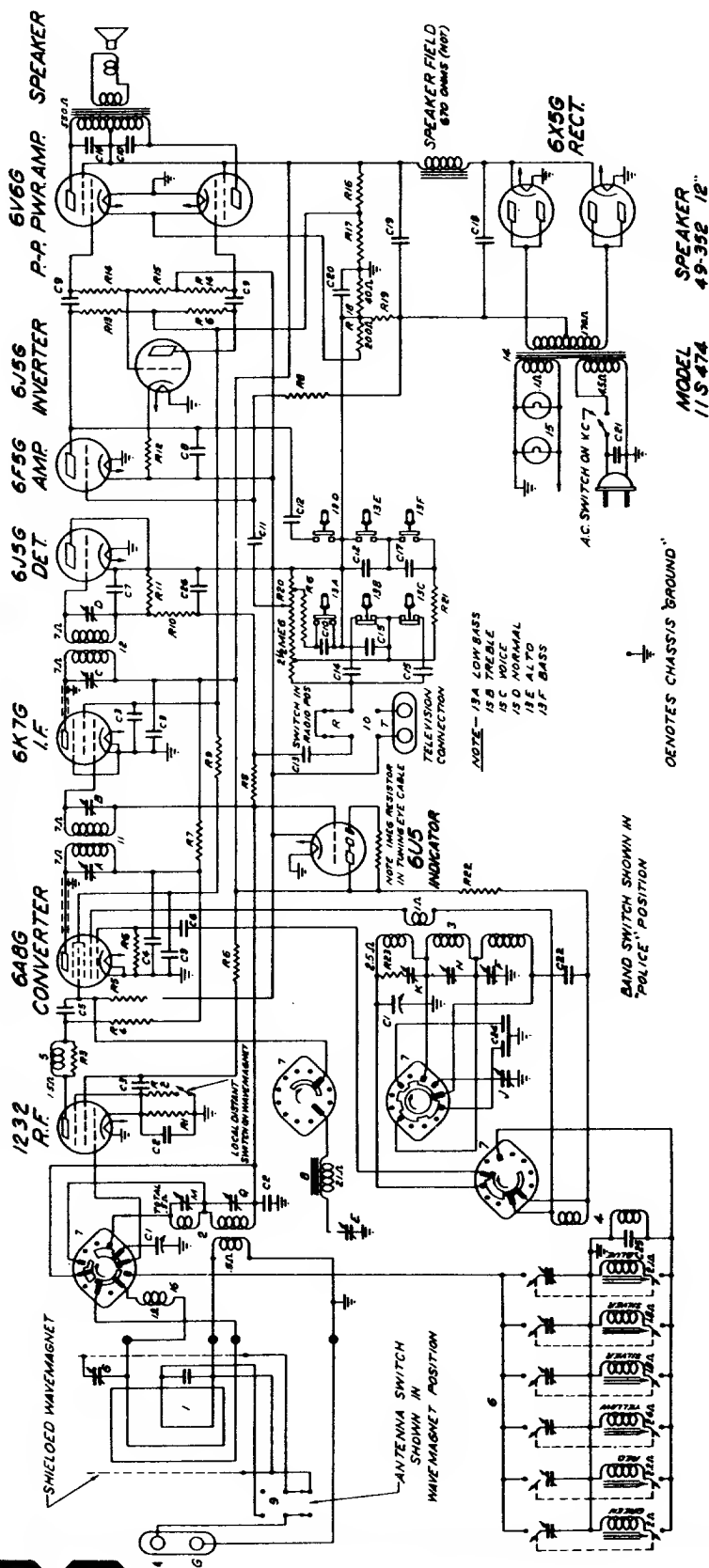
COMPONENT	VALUE	DESCRIPTION	COMPONENT	VALUE	DESCRIPTION
C1	22-30	250V 500K	C10	22-30	250V 500K
C2	22-30	250V 500K	C11	22-30	250V 500K
C3	22-30	250V 500K	C12	22-30	250V 500K
C4	22-30	250V 500K	C13	22-30	250V 500K
C5	22-30	250V 500K	C14	22-30	250V 500K
C6	22-30	250V 500K	C15	22-30	250V 500K
C7	22-30	250V 500K	C16	22-30	250V 500K
C8	22-30	250V 500K	C17	22-30	250V 500K
C9	22-30	250V 500K	C18	22-30	250V 500K
C10	22-30	250V 500K	C19	22-30	250V 500K
C11	22-30	250V 500K	C20	22-30	250V 500K
C12	22-30	250V 500K	C21	22-30	250V 500K
C13	22-30	250V 500K	C22	22-30	250V 500K
C14	22-30	250V 500K	C23	22-30	250V 500K
C15	22-30	250V 500K	C24	22-30	250V 500K
C16	22-30	250V 500K	C25	22-30	250V 500K
C17	22-30	250V 500K	C26	22-30	250V 500K
C18	22-30	250V 500K	C27	22-30	250V 500K
C19	22-30	250V 500K	C28	22-30	250V 500K
C20	22-30	250V 500K	C29	22-30	250V 500K
C21	22-30	250V 500K	C30	22-30	250V 500K
C22	22-30	250V 500K	C31	22-30	250V 500K
C23	22-30	250V 500K	C32	22-30	250V 500K
C24	22-30	250V 500K	C33	22-30	250V 500K
C25	22-30	250V 500K	C34	22-30	250V 500K
C26	22-30	250V 500K	C35	22-30	250V 500K
C27	22-30	250V 500K	C36	22-30	250V 500K
C28	22-30	250V 500K	C37	22-30	250V 500K
C29	22-30	250V 500K	C38	22-30	250V 500K
C30	22-30	250V 500K	C39	22-30	250V 500K
C31	22-30	250V 500K	C40	22-30	250V 500K
C32	22-30	250V 500K	C41	22-30	250V 500K
C33	22-30	250V 500K	C42	22-30	250V 500K
C34	22-30	250V 500K	C43	22-30	250V 500K
C35	22-30	250V 500K	C44	22-30	250V 500K
C36	22-30	250V 500K	C45	22-30	250V 500K
C37	22-30	250V 500K	C46	22-30	250V 500K
C38	22-30	250V 500K	C47	22-30	250V 500K
C39	22-30	250V 500K	C48	22-30	250V 500K
C40	22-30	250V 500K	C49	22-30	250V 500K
C41	22-30	250V 500K	C50	22-30	250V 500K
C42	22-30	250V 500K	C51	22-30	250V 500K
C43	22-30	250V 500K	C52	22-30	250V 500K
C44	22-30	250V 500K	C53	22-30	250V 500K
C45	22-30	250V 500K	C54	22-30	250V 500K
C46	22-30	250V 500K	C55	22-30	250V 500K
C47	22-30	250V 500K	C56	22-30	250V 500K
C48	22-30	250V 500K	C57	22-30	250V 500K
C49	22-30	250V 500K	C58	22-30	250V 500K
C50	22-30	250V 500K	C59	22-30	250V 500K
C51	22-30	250V 500K	C60	22-30	250V 500K
C52	22-30	250V 500K	C61	22-30	250V 500K
C53	22-30	250V 500K	C62	22-30	250V 500K
C54	22-30	250V 500K	C63	22-30	250V 500K
C55	22-30	250V 500K	C64	22-30	250V 500K
C56	22-30	250V 500K	C65	22-30	250V 500K
C57	22-30	250V 500K	C66	22-30	250V 500K
C58	22-30	250V 500K	C67	22-30	250V 500K
C59	22-30	250V 500K	C68	22-30	250V 500K
C60	22-30	250V 500K	C69	22-30	250V 500K
C61	22-30	250V 500K	C70	22-30	250V 500K
C62	22-30	250V 500K	C71	22-30	250V 500K
C63	22-30	250V 500K	C72	22-30	250V 500K
C64	22-30	250V 500K	C73	22-30	250V 500K
C65	22-30	250V 500K	C74	22-30	250V 500K
C66	22-30	250V 500K	C75	22-30	250V 500K
C67	22-30	250V 500K	C76	22-30	250V 500K
C68	22-30	250V 500K	C77	22-30	250V 500K
C69	22-30	250V 500K	C78	22-30	250V 500K
C70	22-30	250V 500K	C79	22-30	250V 500K
C71	22-30	250V 500K	C80	22-30	250V 500K
C72	22-30	250V 500K	C81	22-30	250V 500K
C73	22-30	250V 500K	C82	22-30	250V 500K
C74	22-30	250V 500K	C83	22-30	250V 500K
C75	22-30	250V 500K	C84	22-30	250V 500K
C76	22-30	250V 500K	C85	22-30	250V 500K
C77	22-30	250V 500K	C86	22-30	250V 500K
C78	22-30	250V 500K	C87	22-30	250V 500K
C79	22-30	250V 500K	C88	22-30	250V 500K
C80	22-30	250V 500K	C89	22-30	250V 500K
C81	22-30	250V 500K	C90	22-30	250V 500K
C82	22-30	250V 500K	C91	22-30	250V 500K
C83	22-30	250V 500K	C92	22-30	250V 500K
C84	22-30	250V 500K	C93	22-30	250V 500K
C85	22-30	250V 500K	C94	22-30	250V 500K
C86	22-30	250V 500K	C95	22-30	250V 500K
C87	22-30	250V 500K	C96	22-30	250V 500K
C88	22-30	250V 500K	C97	22-30	250V 500K
C89	22-30	250V 500K	C98	22-30	250V 500K
C90	22-30	250V 500K	C99	22-30	250V 500K
C91	22-30	250V 500K	C100	22-30	250V 500K

I.F. FREQUENCY 455 KC.
10 TUBE SUPERHETERODYNE
CHASSIS N21005 AC 3 BAND
ZENITH RADIO CORPORATION

COMPILED BY M. N. BEITMAN, SUPREME PUBLICATIONS

191

MANUAL OF 1940 MOST POPULAR SERVICE DIAGRAMS



MODEL
11S474

Model 11S474
Chassis No. 1103

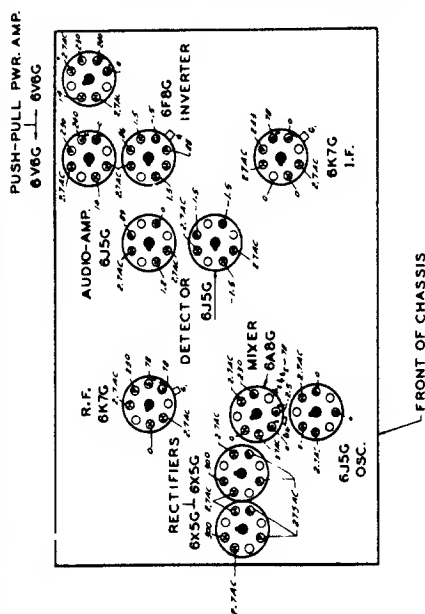
DATE	TIME	DESCRIPTION	DATE	TIME	DESCRIPTION	DATE	TIME	DESCRIPTION	DATE	TIME	DESCRIPTION	DATE	TIME	DESCRIPTION
C7	22-28	2ND BAND VARIABLE	PROK	CCE	22-31	2ND MPD	600K	A16	22-38	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C8	22-29	2ND BAND VARIABLE	400K	CCE	22-32	2ND OHM	400K	A17	22-39	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C9	22-30	2ND BAND VARIABLE	400K	CCE	22-33	2ND OHM	400K	A18	22-40	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C10	22-31	2ND BAND VARIABLE	400K	CCE	22-34	2ND OHM	400K	A19	22-41	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C11	22-32	2ND BAND VARIABLE	400K	CCE	22-35	2ND OHM	400K	A20	22-42	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C12	22-33	2ND BAND VARIABLE	400K	CCE	22-36	2ND OHM	400K	A21	22-43	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C13	22-34	2ND BAND VARIABLE	400K	CCE	22-37	2ND OHM	400K	A22	22-44	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C14	22-35	2ND BAND VARIABLE	400K	CCE	22-38	2ND OHM	400K	A23	22-45	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C15	22-36	2ND BAND VARIABLE	400K	CCE	22-39	2ND OHM	400K	A24	22-46	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C16	22-37	2ND BAND VARIABLE	400K	CCE	22-40	2ND OHM	400K	A25	22-47	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C17	22-38	2ND BAND VARIABLE	400K	CCE	22-41	2ND OHM	400K	A26	22-48	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C18	22-39	2ND BAND VARIABLE	400K	CCE	22-42	2ND OHM	400K	A27	22-49	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C19	22-40	2ND BAND VARIABLE	400K	CCE	22-43	2ND OHM	400K	A28	22-50	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C20	22-41	2ND BAND VARIABLE	400K	CCE	22-44	2ND OHM	400K	A29	22-51	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C21	22-42	2ND BAND VARIABLE	400K	CCE	22-45	2ND OHM	400K	A30	22-52	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C22	22-43	2ND BAND VARIABLE	400K	CCE	22-46	2ND OHM	400K	A31	22-53	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C23	22-44	2ND BAND VARIABLE	400K	CCE	22-47	2ND OHM	400K	A32	22-54	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C24	22-45	2ND BAND VARIABLE	400K	CCE	22-48	2ND OHM	400K	A33	22-55	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C25	22-46	2ND BAND VARIABLE	400K	CCE	22-49	2ND OHM	400K	A34	22-56	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C26	22-47	2ND BAND VARIABLE	400K	CCE	22-50	2ND OHM	400K	A35	22-57	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C27	22-48	2ND BAND VARIABLE	400K	CCE	22-51	2ND OHM	400K	A36	22-58	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C28	22-49	2ND BAND VARIABLE	400K	CCE	22-52	2ND OHM	400K	A37	22-59	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C29	22-50	2ND BAND VARIABLE	400K	CCE	22-53	2ND OHM	400K	A38	22-00	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C30	22-51	2ND BAND VARIABLE	400K	CCE	22-54	2ND OHM	400K	A39	22-01	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C31	22-52	2ND BAND VARIABLE	400K	CCE	22-55	2ND OHM	400K	A40	22-02	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C32	22-53	2ND BAND VARIABLE	400K	CCE	22-56	2ND OHM	400K	A41	22-03	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C33	22-54	2ND BAND VARIABLE	400K	CCE	22-57	2ND OHM	400K	A42	22-04	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C34	22-55	2ND BAND VARIABLE	400K	CCE	22-58	2ND OHM	400K	A43	22-05	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C35	22-56	2ND BAND VARIABLE	400K	CCE	22-59	2ND OHM	400K	A44	22-06	2ND OHM	2W	8/26/68	2ND TRAMP	1W
C36	22-57	2ND BAND VARIABLE	400K	CCE										

193

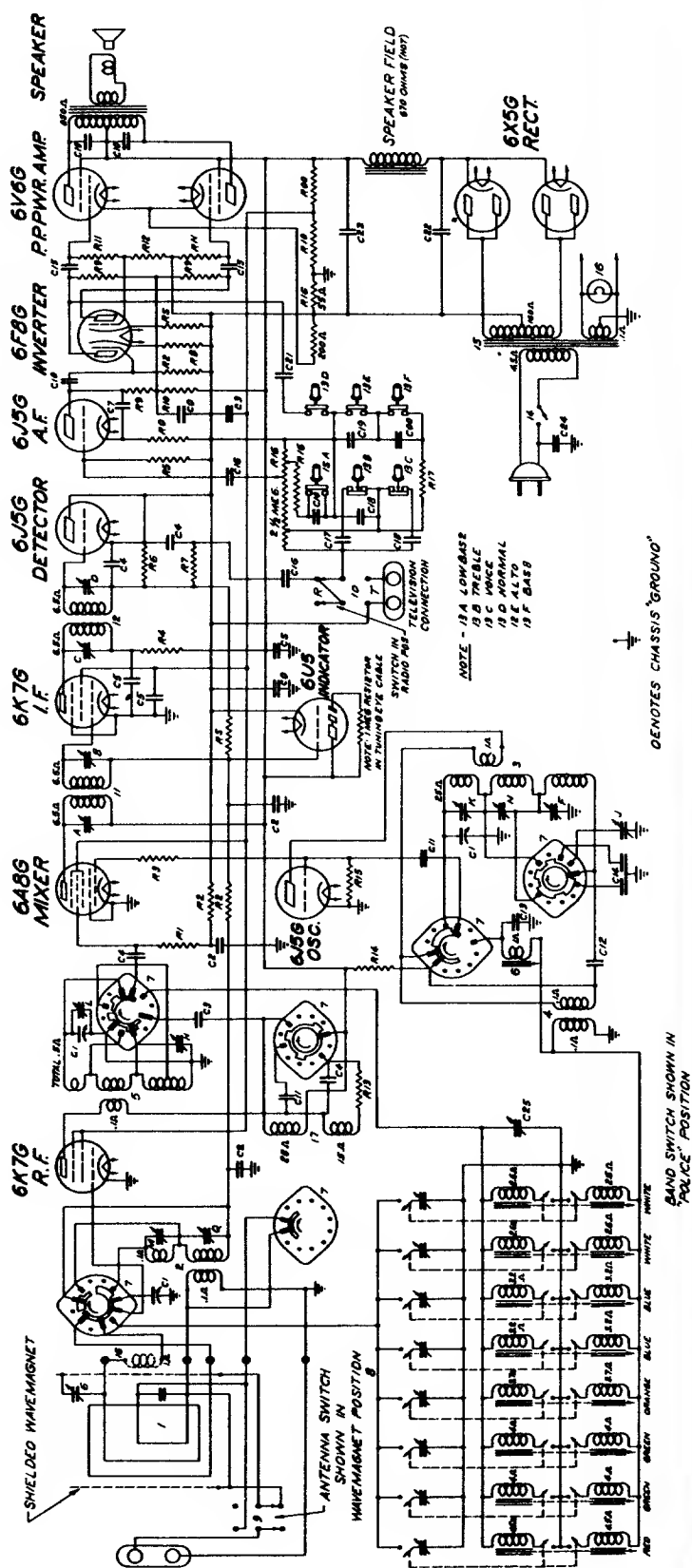
ZENITH RADIO CORPORATION

Models 12S445—12S453—12S471—12S475—12S494

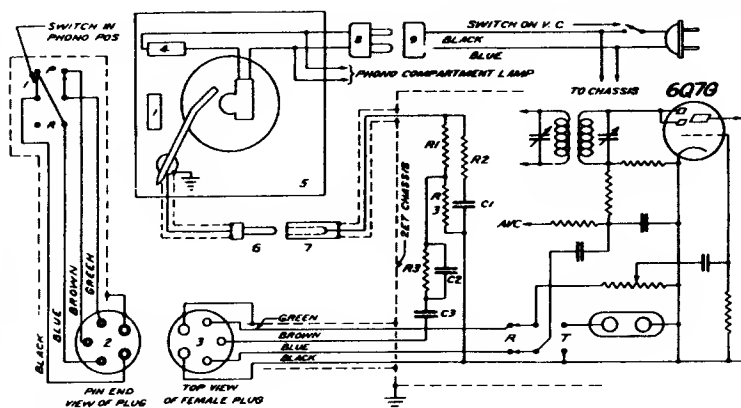
CHASSIS No. 1207



QMS NO.	PART NO.	DESCRIPTION	QMS NO.	PART NO.	DESCRIPTION	QMS NO.	PART NO.	DESCRIPTION	QMS NO.	PART NO.	DESCRIPTION
C1	RE-38	THREE BLANK VARIABLE	1	CE-38	RE-38 OR MFD	1	CE-38	RE-38 OR MFD	1	CE-38	RE-38 OR MFD
C2	RE-38	20M	2	CE-38	RE-38 OR MFD	2	CE-38	RE-38 OR MFD	2	CE-38	RE-38 OR MFD
C3	RE-38	40M	3	CE-38	RE-38 OR MFD	3	CE-38	RE-38 OR MFD	3	CE-38	RE-38 OR MFD
C4	RE-38	60M	4	CE-38	RE-38 OR MFD	4	CE-38	RE-38 OR MFD	4	CE-38	RE-38 OR MFD
C5	RE-38	80M	5	CE-38	RE-38 OR MFD	5	CE-38	RE-38 OR MFD	5	CE-38	RE-38 OR MFD
C6	RE-38	100M	6	CE-38	RE-38 OR MFD	6	CE-38	RE-38 OR MFD	6	CE-38	RE-38 OR MFD
C7	RE-38	120M	7	CE-38	RE-38 OR MFD	7	CE-38	RE-38 OR MFD	7	CE-38	RE-38 OR MFD
C8	RE-38	140M	8	CE-38	RE-38 OR MFD	8	CE-38	RE-38 OR MFD	8	CE-38	RE-38 OR MFD
C9	RE-38	160M	9	CE-38	RE-38 OR MFD	9	CE-38	RE-38 OR MFD	9	CE-38	RE-38 OR MFD
C10	RE-38	180M	10	CE-38	RE-38 OR MFD	10	CE-38	RE-38 OR MFD	10	CE-38	RE-38 OR MFD
C11	RE-38	200M	11	CE-38	RE-38 OR MFD	11	CE-38	RE-38 OR MFD	11	CE-38	RE-38 OR MFD
C12	RE-38	220M	12	CE-38	RE-38 OR MFD	12	CE-38	RE-38 OR MFD	12	CE-38	RE-38 OR MFD
C13	RE-38	240M	13	CE-38	RE-38 OR MFD	13	CE-38	RE-38 OR MFD	13	CE-38	RE-38 OR MFD
C14	RE-38	260M	14	CE-38	RE-38 OR MFD	14	CE-38	RE-38 OR MFD	14	CE-38	RE-38 OR MFD
C15	RE-38	280M	15	CE-38	RE-38 OR MFD	15	CE-38	RE-38 OR MFD	15	CE-38	RE-38 OR MFD
C16	RE-38	300M	16	CE-38	RE-38 OR MFD	16	CE-38	RE-38 OR MFD	16	CE-38	RE-38 OR MFD
C17	RE-38	320M	17	CE-38	RE-38 OR MFD	17	CE-38	RE-38 OR MFD	17	CE-38	RE-38 OR MFD
C18	RE-38	340M	18	CE-38	RE-38 OR MFD	18	CE-38	RE-38 OR MFD	18	CE-38	RE-38 OR MFD
C19	RE-38	360M	19	CE-38	RE-38 OR MFD	19	CE-38	RE-38 OR MFD	19	CE-38	RE-38 OR MFD
C20	RE-38	380M	20	CE-38	RE-38 OR MFD	20	CE-38	RE-38 OR MFD	20	CE-38	RE-38 OR MFD
C21	RE-38	400M	21	CE-38	RE-38 OR MFD	21	CE-38	RE-38 OR MFD	21	CE-38	RE-38 OR MFD
C22	RE-38	420M	22	CE-38	RE-38 OR MFD	22	CE-38	RE-38 OR MFD	22	CE-38	RE-38 OR MFD
C23	RE-38	440M	23	CE-38	RE-38 OR MFD	23	CE-38	RE-38 OR MFD	23	CE-38	RE-38 OR MFD
C24	RE-38	460M	24	CE-38	RE-38 OR MFD	24	CE-38	RE-38 OR MFD	24	CE-38	RE-38 OR MFD
C25	RE-38	480M	25	CE-38	RE-38 OR MFD	25	CE-38	RE-38 OR MFD	25	CE-38	RE-38 OR MFD
C26	RE-38	500M	26	CE-38	RE-38 OR MFD	26	CE-38	RE-38 OR MFD	26	CE-38	RE-38 OR MFD
C27	RE-38	520M	27	CE-38	RE-38 OR MFD	27	CE-38	RE-38 OR MFD	27	CE-38	RE-38 OR MFD
C28	RE-38	540M	28	CE-38	RE-38 OR MFD	28	CE-38	RE-38 OR MFD	28	CE-38	RE-38 OR MFD
C29	RE-38	560M	29	CE-38	RE-38 OR MFD	29	CE-38	RE-38 OR MFD	29	CE-38	RE-38 OR MFD
C30	RE-38	580M	30	CE-38	RE-38 OR MFD	30	CE-38	RE-38 OR MFD	30	CE-38	RE-38 OR MFD
C31	RE-38	600M	31	CE-38	RE-38 OR MFD	31	CE-38	RE-38 OR MFD	31	CE-38	RE-38 OR MFD
C32	RE-38	620M									

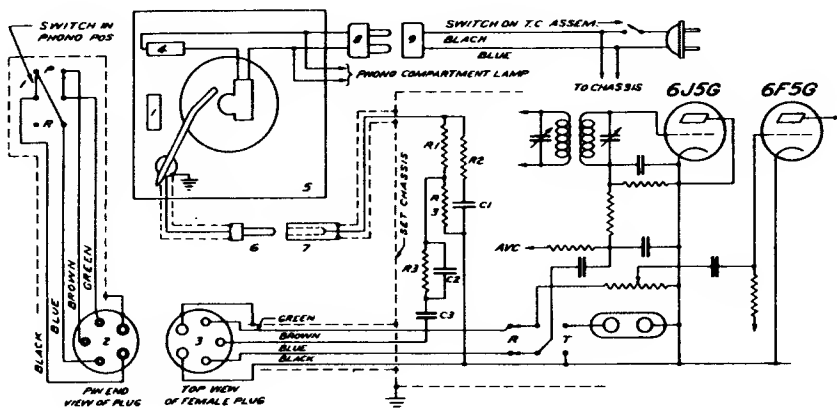


MANUAL OF 1940 MOST POPULAR SERVICE DIAGRAMS



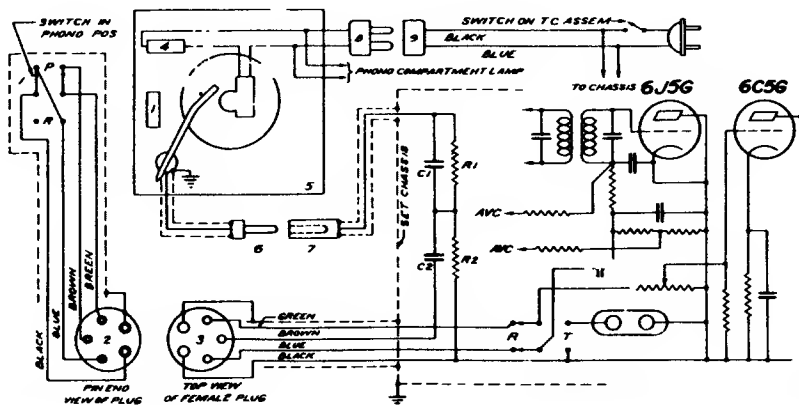
QWAT	PART	DESCRIPTION	
C1	22-319	.005 MFD.	100K
C2	22-354	.00035 MFD.	100K
C3	22-887	.001 MFD.	600K
R1	63-719	470 OHM	1/4W
R2	63-649	56 OHM	1/4W
R3	63-271	1 MEG OHM	1/4W
1	57224	PHONO SW. & WIRE ASSEMBLY	
2	58070	PLUG & WIRE ASSEMBLY	
3	85-191	A.C. SWITCH	
4	85-36	WEBSTER AUTOMATIC RECORD PLAYER	
5	85-36	WEBSTER AUTOMATIC RECORD PLAYER	
6	58069	CINCH PM-93 PLUG	
7	58069	RECEPTACLE WIRE ASSEM. CINCH PM-93 PLUG WITH P-7002 CAP & LINER	
8	58069	RECEPTACLE WIRE ASSEM. CINCH PM-93 PLUG WITH P-7002 CAP & LINER	
9	58069	PLUG & WIRE ASSEMBLY	

PHONO CIRCUIT DATA
MODEL SPEAKER
10S 491 49-356 15"
10S 492 49-352 12"
CHASSIS N°1007



QWAT	PART	DESCRIPTION	
C1	22-319	.005 MFD.	100K
C2	22-354	.00035 MFD.	100K
C3	22-887	.001 MFD.	600K
R1	63-719	470 OHM	1/4W
R2	63-649	56 OHM	1/4W
R3	63-271	1 MEG OHM	1/4W
1	57224	PHONO SW. & WIRE ASSEMBLY	
2	58094	PLUG & WIRE ASSEMBLY	
3	85-191	A.C. SWITCH	
4	85-36	WEBSTER AUTOMATIC RECORD PLAYER	
5	85-36	WEBSTER AUTOMATIC RECORD PLAYER	
6	58093	CINCH PM-93 PLUG	
7	58093	RECEPTACLE WIRE ASSEM. CINCH PM-93 PLUG WITH P-7002 CAP & LINER	
8	58093	RECEPTACLE WIRE ASSEM. CINCH PM-93 PLUG WITH P-7002 CAP & LINER	
9	58093	PLUG & WIRE ASSEMBLY	

PHONO CIRCUIT DATA
MODEL SPEAKER
12S 494 49-355 15"
CHASSIS N°1208

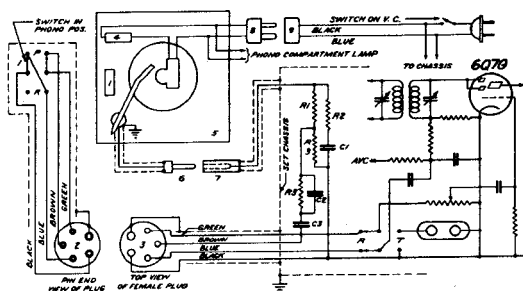


QWAT	PART	DESCRIPTION	
C1	22-182	.0005 MFD.	100K
C2	22-887	.001 MFD.	600K
R1	63-597	470 OHM	1/4W
R2	63-649	56 OHM	1/4W
1	57224	PHONO SW. & WIRE ASSEMBLY	
2	58108	PLUG & WIRE ASSEMBLY	
3	85-191	A.C. SWITCH	
4	85-36	WEBSTER AUTOMATIC RECORD PLAYER	
5	85-36	WEBSTER AUTOMATIC RECORD PLAYER	
6	58107	CINCH PM-93 PLUG	
7	58107	RECEPTACLE WIRE ASSEM. CINCH PM-93 PLUG WITH P-7002 CAP & LINER	
8	58107	RECEPTACLE WIRE ASSEM. CINCH PM-93 PLUG WITH P-7002 CAP & LINER	
9	58108	PLUG & WIRE ASSEMBLY	

PHONO CIRCUIT DATA
MODEL SPEAKER
15S 495 49-375 15"
CHASSIS N°1504

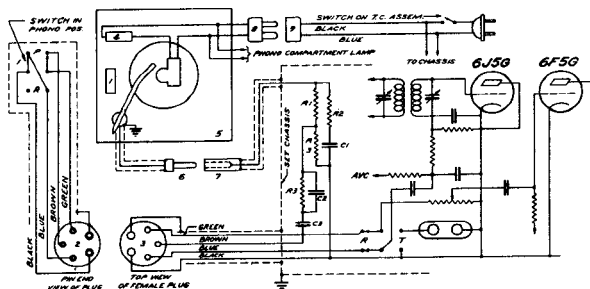
ZENITH RADIO CORP.

MODELS 10S491, 10S492
 Chassis 1007
 MODEL 12S494, Ch. 1208
 MODEL 15S495, Ch. 1504
 Phono Circuit Schematics



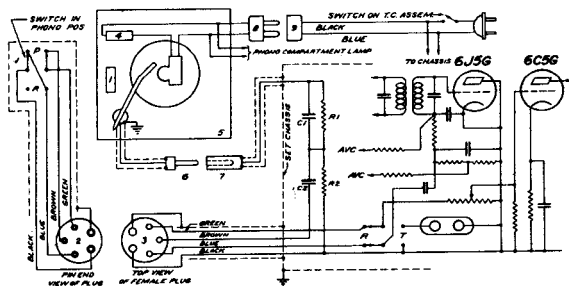
Q	NO.	DESCRIPTION	QTY
C1	22-39	0.005 MFD	1000
C2	22-39	0.005 MFD	1000
C3	22-39	0.005 MFD	1000
C4	22-39	0.005 MFD	1000
R1	63-718	470K OHM	1/4W
R2	63-649	20K OHM	1/4W
R3	63-671	1 MEG OHM	1/4W
S1	37224	PHONO SH-1000 ASSEMBLY	1
S2	58094	PLUG & WIRE ASSEMBLY	1
S3	82-181	A.C. SWITCH	1
S4	82-181	RECORD AUTOMATIC	1
S5	82-181	RECORD AUTOMATIC	1
S6	82-181	RECORD AUTOMATIC	1
S7	82-181	RECORD AUTOMATIC	1
S8	82-181	RECORD AUTOMATIC	1
S9	82-181	RECORD AUTOMATIC	1

PHONO CIRCUIT DATA
 MODEL SPEAKER
 10S491 49-356 15"
 10S492 49-352 12"
 CHASSIS N1007



Q	NO.	DESCRIPTION	QTY
C1	22-39	0.005 MFD	1000
C2	22-39	0.005 MFD	1000
C3	22-39	0.005 MFD	1000
C4	22-39	0.005 MFD	1000
R1	63-718	470K OHM	1/4W
R2	63-649	20K OHM	1/4W
R3	63-671	1 MEG OHM	1/4W
S1	37224	PHONO SH-1000 ASSEMBLY	1
S2	58094	PLUG & WIRE ASSEMBLY	1
S3	82-181	A.C. SWITCH	1
S4	82-181	RECORD AUTOMATIC	1
S5	82-181	RECORD AUTOMATIC	1
S6	82-181	RECORD AUTOMATIC	1
S7	82-181	RECORD AUTOMATIC	1
S8	82-181	RECORD AUTOMATIC	1
S9	82-181	RECORD AUTOMATIC	1

PHONO CIRCUIT DATA
 MODEL SPEAKER
 12S494 49-355 15"
 CHASSIS N1208



Q	NO.	DESCRIPTION	QTY
C1	22-39	0.005 MFD	1000
C2	22-39	0.005 MFD	1000
C3	22-39	0.005 MFD	1000
C4	22-39	0.005 MFD	1000
R1	63-718	470K OHM	1/4W
R2	63-649	20K OHM	1/4W
R3	63-671	1 MEG OHM	1/4W
S1	37224	PHONO SH-1000 ASSEMBLY	1
S2	58094	PLUG & WIRE ASSEMBLY	1
S3	82-181	A.C. SWITCH	1
S4	82-181	RECORD AUTOMATIC	1
S5	82-181	RECORD AUTOMATIC	1
S6	82-181	RECORD AUTOMATIC	1
S7	82-181	RECORD AUTOMATIC	1
S8	82-181	RECORD AUTOMATIC	1
S9	82-181	RECORD AUTOMATIC	1

PHONO CIRCUIT DATA
 MODEL SPEAKER
 15S495 49-375 15"
 CHASSIS N1504