

**PARTS LIST AND DESCRIPTION**  
 (When ordering parts, state Model, Part Number, and Description.)

**SEMICONDUCTORS**

ITEM No.	TYPE / MFR. No./PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
C6501	212-76 #	6E-511	0172	PTC216	HEPR3012	SK3130		ECG 506
C401	221-64							
C402	221-64							
C403	221-64							

# For SAFETY, replace only with equivalent part.

**ELECTROLYTIC CAPACITORS**

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILER PART No.	SPRAGUE PART No.
C404	10, 16V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C405	4.7, 25V	22-7152-03	RME-8-E-005	EP30-5	PC5-50	EV-1319
C406	100, 25V	22-7152-08	RME-6-G-100	EA30-100	PC100-25	EV-1330
C407	1, 50V	22-7153	RME-A-J-301	EP50-2	PC1-50	EV-1615
C408	100, 25V	22-7152-08	RME-6-G-100	EA30-100	PC100-25	EV-1330
C409	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C410	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C411	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C412	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C413	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C414	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C415	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C416	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C417	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C418	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C419	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C420	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C421	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C422	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C423	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C424	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C425	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C426	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C427	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C428	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C429	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C430	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C431	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C432	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C433	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C434	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C435	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C436	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C437	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C438	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C439	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C440	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C441	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C442	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C443	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C444	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C445	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C446	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C447	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C448	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C449	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222
C450	10, 25V	22-7151-04	RME-8-E-010	EP15-10	PC10-25	EV-1222

(1) Used in Chassis 1WEA10/Z1.

**CAPACITORS**

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			ARCO/ELMENC0 PART No.	CENTRALAB PART No.	CORNELL-DUBILER PART No.	SPRAGUE PART No.
C401	8, NPO	10%	CCD-152	DD-152	NP08	TOTS-D15
C402	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C403	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C404	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C405	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C406	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C407	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C408	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C409	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C410	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C411	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C412	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C413	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C414	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C415	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C416	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C417	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C418	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C419	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C420	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C421	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C422	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C423	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C424	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C425	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C426	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C427	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C428	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C429	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C430	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C431	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C432	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C433	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C434	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C435	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C436	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C437	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C438	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C439	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C440	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C441	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C442	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C443	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C444	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C445	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C446	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C447	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C448	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C449	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15
C450	.0015	25V	CCD-503	CR-503	NP08	TOTS-D15

**CONTROLS (All wattages 1/2 watt, or less, unless listed)**

ITEM No.	FUNCTION	RESISTANCE	MFR. PART No.	REPLACEMENT DATA			
				CENTRALAB PART No.	CLAROSTAT PART No.	CITS-IRC PART No.	MALLORY PART No.
R402	Loudness	3meg	63-10116	F1-3meg, NR-3meg-S, SNE200, CPL-2	NP-3meg-S, NR-3meg-S, SNE200, CPL-2	B11-140, B11-140, TM4-00M of [BUT1, C225, CR20, 133-133, B13-133, P55A, SLF37, RU55A, CS3500	P36L, SLF37, RU36L, CS3500
R403	Treble	500K	63-9975 (1)	F2-500K, SNE200, CPL-2	NP-500K-Z, NR-500K-Z, SNE200, CPL-2	[BUT1, C225, CR20, 133-133, B13-133, P55A, SLF37, RU55A, CS3500	P55A, SLF37, RU55A, CS3500
R404	Tone	500K	63-9975 (2)	F2-500K, SNE200, CPL-2	NP-500K-Z, NR-500K-Z, SNE200, CPL-2	[BUT1, C225, CR20, 133-133, B13-133, P55A, SLF37, RU55A, CS3500	P55A, SLF37, RU55A, CS3500
R405	Balance	1meg	63-10169	F1-1meg, SNE200	NP-1meg-S, NR-1meg-S, SNE200, CPL-2	[BUT1, C225, CR20, 133-133, B13-133, P55A, SLF37, RU55A, CS3500	P55A, SLF37, RU55A, CS3500
R406	Bass	100K	63-9974 (1)	F2-100K, SNE200, CPL-2	NP-100K-Z, NR-100K-Z, SNE200, CPL-2	[BUT1, C225, CR20, 133-133, B13-133, P55A, SLF37, RU55A, CS3500	P55A, SLF37, RU55A, CS3500

(1) Used in Models E540L/V, E540L1/V1, E540L2/V2.



The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. 4PS848

**RESISTORS (Power and Special)**

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFR. PART No.			WORKMAN PART No.	MFR. PART No.
R410	1 1/2W, Carbon		63-4501	R460	1 1/2W, Carbon		63-4501

**SPEAKER**

ITEM No.	TYPE	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		MFR. PART No.	QUAM PART No.			WORKMAN PART No.	MFR. PART No.
LS401	4" x 6" PM 16 ohms	49-1207 (1)	4642216	LS451	4" x 6" PM 16 ohms	49-1207 (1)	4642216
LS451	4" x 6" PM 16 ohms	49-1246 (2)	4642216				

**PHONO CARTRIDGE & NEEDLES**

ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.	CARTRIDGE	NEEDLE	REPLACEMENT DATA		ITEM No.	MFR. PART No.
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