

SET 1014 FOLDER 10

ZENITH MODEL
Z558W (Ch. 10ZT33)

PHOTOFACT® Folder

with CIRCUITRACE™

For Supplier Address See PHOTOFACT Index
FOR SERVICE INFORMATION ON RECORD CHANGER- SEE SIMILAR CHANGER- PHOTOFACT SET 797, FOLDER 5

ZENITH MODEL
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REMEMBER TO ASK— “What else needs fixing?”

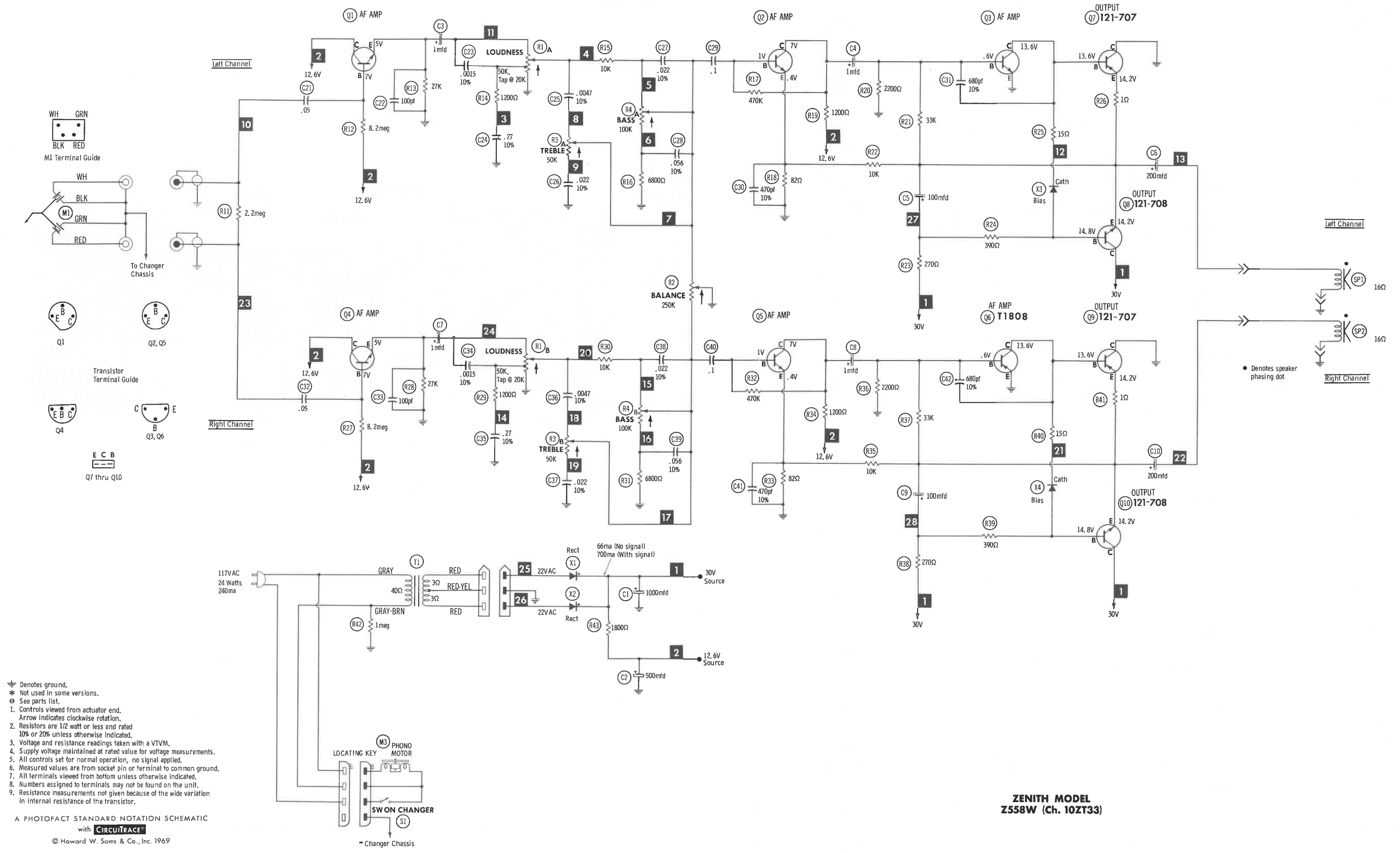
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206



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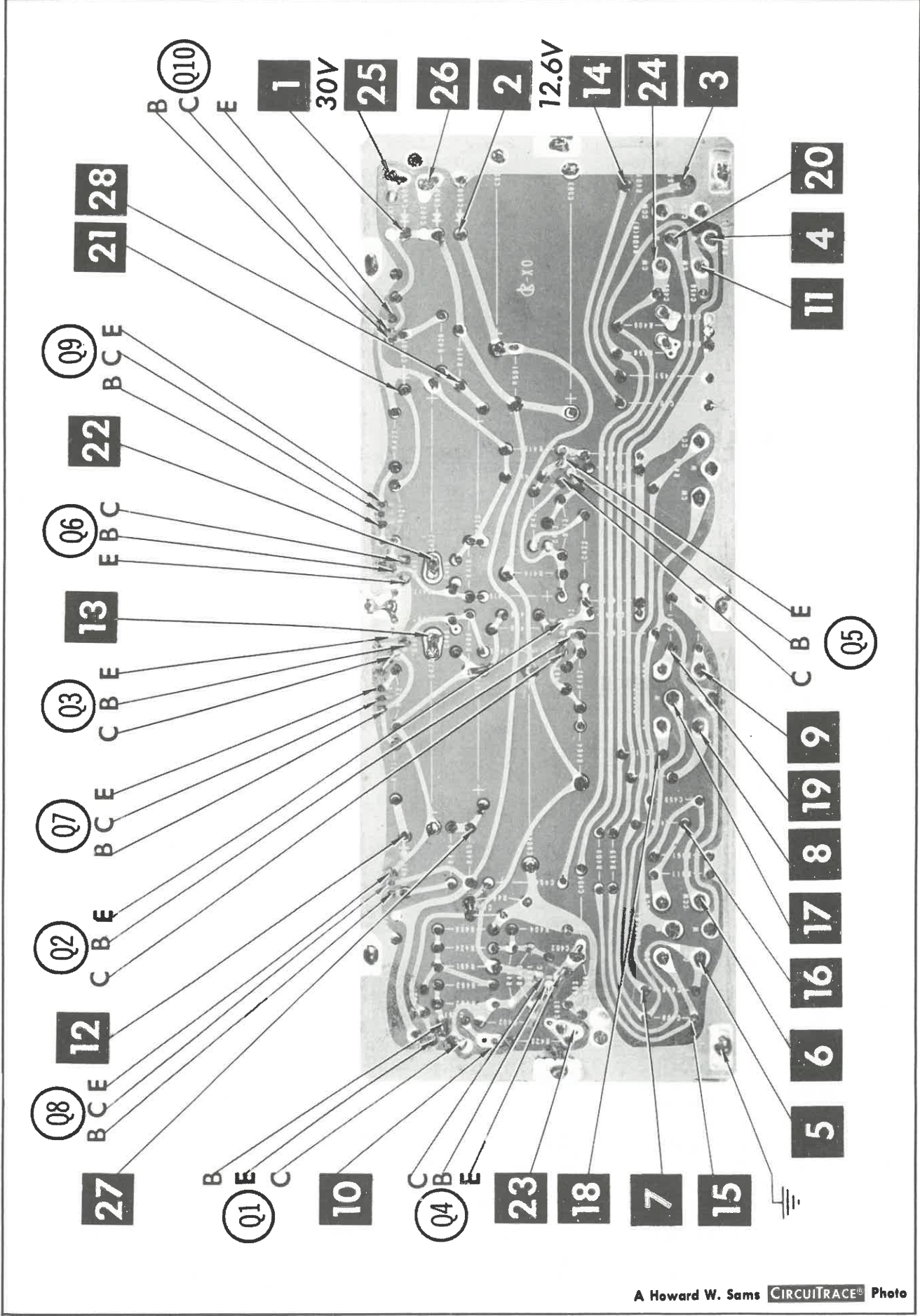
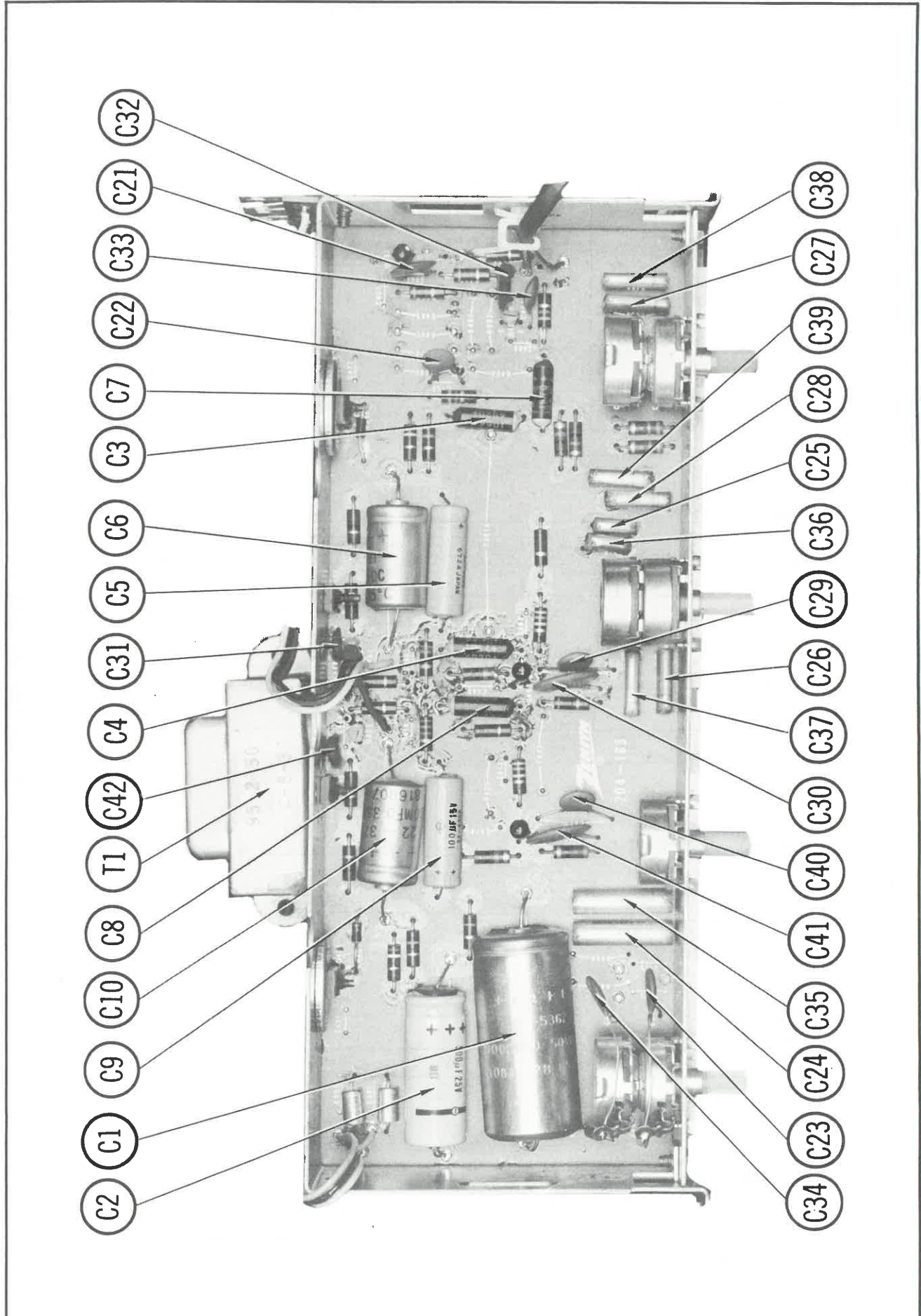
DATE 3-69 SET 1014 FOLDER 10



- ⊥ Denotes ground.
- * Not used in some versions.
- ⊙ See parts list.
- 1. Controls viewed from actuator end.
- Arrow indicates clockwise rotation.
- 2. Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated.
- 3. Voltage and resistance readings taken with a VTVM.
- 4. Supply voltage maintained at rated value for voltage measurements.
- 5. All controls set for normal operation, no signal applied.
- 6. Measured values are from socket pin or terminal to common ground.
- 7. All terminals viewed from bottom unless otherwise indicated.
- 8. Numbers assigned to terminals may not be found on the unit.
- 9. Resistance measurements not given because of the wide variation in internal resistance of the transistor.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
with **CircuitTrace**
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**ZENITH MODEL
Z558W (Ch. 10ZT33)**



PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA						
			MFGR. PART No.	DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q1	F21-433804	AF Amp	121-433	DS-66	GE-18	TR-21	HEP53	SK-3020	ECG123
Q2	CDC430681	AF Amp	121-430	DS-66	GE-18	TR-21	HEP53	SK-3020	ECG123
Q3		AF Amp	121-706	DS-66	GE-18	TR-21	HEP53	SK-3020	ECG123
Q4	433836	AF Amp	121-433	DS-66	GE-18	TR-21	HEP53	SK-3020	ECG123
Q5	CDC430681	AF Amp	121-430	DS-66	GE-18	TR-21	HEP53	SK-3020	ECG123
Q6	T1808	AF Amp	121-706	DS-66	GE-18	TR-21	HEP53	SK-3020	ECG123
Q7	121-707	Output	800-270				HEP246		
Q8	121-708	Output					HEP245		
Q9	121-707	Output					HEP246		
Q10	121-708	Output					HEP245		

① Matched Pair. ② Matched Pair

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT RECTIFIERS & DIODES			REPLACEMENT RECTIFIERS		NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	SYLVANIA PART No.	RCA PART No.	SARKES TARZIAN PART No.	
X1	212-71	GE-504A	8D4 or 18DC2A	ECG 116 or ECG 117	SK-3030 or SK-3031	40C or S-5981	
X2	212-71	GE-504A	8D4 or 18DC2A	ECG 116 or ECG 117	SK-3030 or SK-3031	40C or S-5981	
X3	103-145						
X4	103-145						

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	1000 50V	22-5362	PRS1395	EA50-1000	BR1000-50	QT1-30	TC50100A	TL-1317
C2	500 25V	22-5475	PRS1290	EA30-500	BR500-25		TC2505B	TL-1217
C3	1 50V	22-3687	PTT87		NLW1-50	MT1-1	MTA1D50	TE-1300
C4	1 50V	22-3687	PTT87		NLW1-50	MT1-1	MTA1D50	TE-1300
C5	100 15V	22-4568	CRE473A	EA15-100	NLW100-15	MT1-19	MTA100E15	TE-1162
C6	200 35V	22-3721	PRS1530	EA50-250	BR250-50	QT1-27	TC496A	TL-1312
C7	1 50V	22-3687	PTT87		NLW1-50	MT1-1	MTA1D50	TE-1300
C8	1 50V	22-3687	PTT87		NLW1-50	MT1-1	MTA1D50	TE-1300
C9	100 15V	22-4568	CRE473A	EA15-100	NLW100-15	MT1-19	MTA100E15	TE-1162
C10	200 35V	22-3721	PRS1530	EA50-250	BR250-50	QT1-27	TC496A	TL-1312

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C21	.05 25V		TTP-05	CK-503	HOV101ZV503Z	CCD-503	TA150	TGL-S50
C22	100		GPDXSF101K	DM-101	JBZ601YP101K	CCD-101	GP310	10TS-T10
C23	.0015 10%		GPD X5F152K	DD-152		CCD-152	GP215	10TS-D15
C24	.27 200V 10%		V1612P25		PKM4P27	UDP-5-274	PVC2025	2PS-P25
C25	.0047 200V 10%		V1612D47	CPR-4700J	PM2D47	6DP-1-472	PVC6247	6PS-D47
C26	.022 200V 10%		V1612S22		DMF2S22	4DP-2-223	PVC2122	2PS-S22
C27	.022 200V 10%		V1612S22		DMF2S22	4DP-2-223	PVC2122	2PS-S22
C28	.056 200V 10%		DBE6S56		PKM4S56	4DP-3-563	PVC6156	4PS-S56
C29	.1 12V		TTP-1	CK-104	HOV101ZV104Z		TA010	TG-P10
C30	470 10%		GPDX5F471K	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47
C31	680 10%		GPDX5F681K	DD-681	JBZ601YP681K	CCD-681	GP368	10TS-T68
C32	.05 25V		TTP-05	CK-503	HOV101ZV503Z	CCD-503	TA150	TGL-S50
C33	100		GPDX5F101K	DM-101	JBZ601YP101K	CCD-101	GP310	10TS-T10
C34	.0015 10%		GPDX5F152K	DD-152		CCD-152	GP215	10TS-D15
C35	.27 200V 10%		V1612P25		PKM4P27	4DP-5-274	PVC2025	2PS-P25
C36	.0047 200V 10%		V1612D47	CPR-4700J	PM2D47	6DP-1-472	PVC6247	6PS-D47
C37	.022 200V 10%		V1612S22		DMF2S22	4DP-2-223	PVC2122	2PS-S22
C38	.022 200V 10%		V1612S22		DMF2S22	4DP-2-223	PVC2122	2PS-S22
C39	.056 200V 10%		DBE6S56		PKM4S56	4DP-3-563	PVC6156	4PS-S56
C40	.1 12V		TTP-1	CK-104	HOV101ZV104Z		TA010	TG-P10
C41	470 10%		GPDX5F471K	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47
C42	680 10%		GPDX5F681K	DD-681	JBZ601YP681K	CCD-681	GP368	10TS-T68

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

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

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1A	Loudness (Left)	50K TAP @ 20K	63-7589	F12-50K, R12-50K, SF014, CPL-2			
B	Loudness (Right)	50K TAP @ 20K					
R2	Balance	250K	63-7586	F1-250K, SN100	B47-250K-S or NP-250K-S NML-A-300 TT-2	B11-130, TM4 or (BU11, CF15, SS8)*	RU254L, SL37, SN850 or (UA254L, SN875) or (TA254L)
R3A	Treble (Left)	50K	63-7587	F2-50K R2-50K, SF014, CPL-2		B13-123, B13-123 TM5, QCM or (BU11, CF12, CR7, SS6, SS7A, DC1) *	FB54A P54A, SLF37 ① RU54A, CS3500
B	Treble (Right)	50K					
R4A	Bass (Left)	100K	63-7588	F2-100K, R2-100K, SF014, CPL-2		B13-128, B13-128, TM5, QCM or (BU11, CF13, CR8, SS6, SS7A, DC1)*	FA15A (P15A, SLF37), ① RU15A, CS3500
B	Bass (Right)	100K					

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	MFGR. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC @ .055A	22VACCT @ .7A CT	95-2650	P-4128	P-6469	21F84	F-45X	

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA			NOTES
		MFGR. PART No.	JENSEN PART No.	QUAM PART No.	
SP1	16Ω	49-1156			
SP2	16Ω	49-1156			

PHONO CARTRIDGE & NEEDLES

ITEM No.	REPLACEMENT DATA								NOTES
	MFGR. PART No.		ASTATIC PART No.		ELECTRO-VOICE PART No.		SONOTONE PART No.		
	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	
	M1 M2	142-166	S-68567 *						

* Needle Replacement for Original Cartridge.

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M3	Motor		
S1	Switch		Phono On-Off On Changer

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Power Cord	Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) - 6 Ft. 17109 (Plastic) or 17129 (Rubber) - 9 Ft.
Low-Loss Shielded Lead (Interconnecting)	Use BELDEN No. 8401 or 8421
Phono Pick-up Arm Cable	Use BELDEN No. 8430 (Two Conductor-Unshielded) 8429 (Two Conductor-Shielded) 8419 (Three Conductor-Shielded)

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FOLDER 10