

This Manual is provided by
CBTricks.com

Someone who wanted to help you repair your equipment
scanned this manual.

If you would like to help us put more manuals online support us.

Supporters of CBTricks.com paid for the hosting so you would have this file.

CBTricks.com is a non-commercial personal website was created to help promote the exchange of service, modification, technically oriented information, and historical information aimed at the Citizens Band, GMRS (CB "A" Band), MURS, Amateur Radios and RF Amps.

CBTricks.com is not sponsored by or connected to any Retailer, Radio, Antenna Manufacturer or Amp Manufacturer, or affiliated with any site links shown in the links database. The use of product or company names on my web site is not endorsement of that product or company.

If your company would like to provide technical information to be featured on this site I will put up on the site as long as I can do it in a non-commercial way.

The site is supported with donation from users, friends and selling of the Galaxy Service Manual CD to cover some of the costs of having this website on the Internet instead of relying on banner ads, pop-up ads, commercial links, etc. to pay my costs. Thus I do not accept advertising banners or pop-up/pop-under advertising or other marketing/sales links or gimmicks on my website.

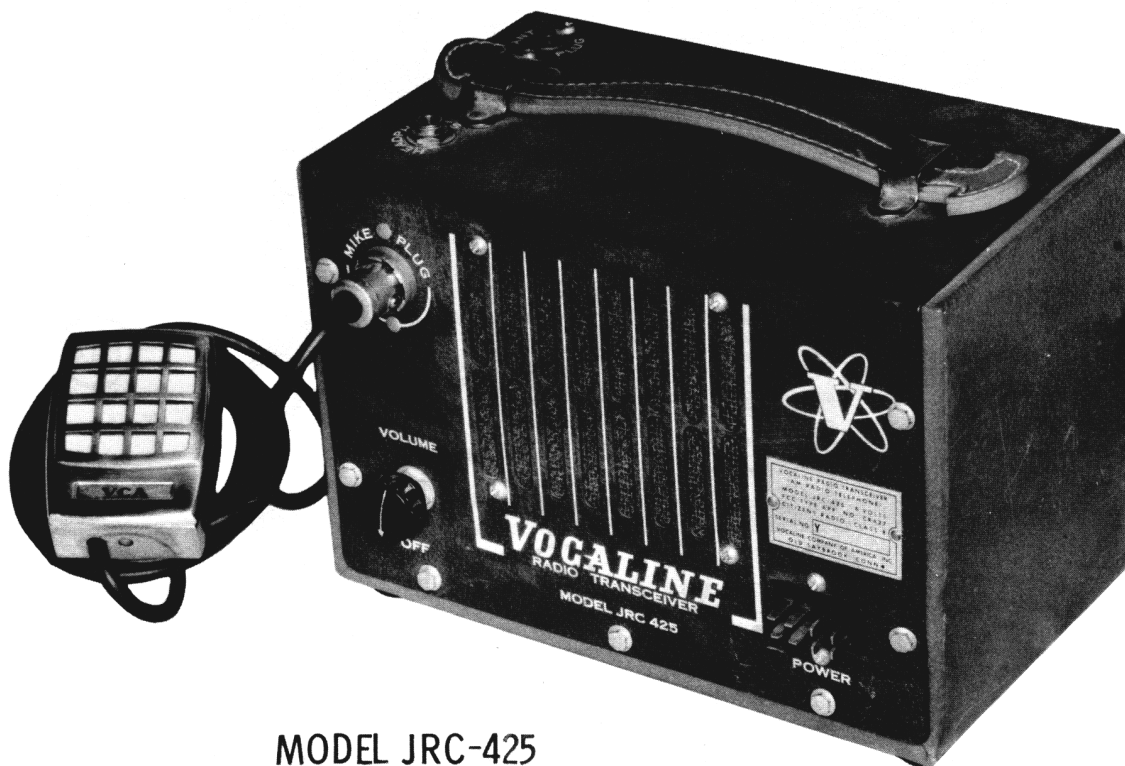
ALL the money from donations is used for CBTricks.com I didn't do all the work to make money (I have a day job). I all didn't do all this work for someone else to make money also, for example the ebay CD sellers.

All Trademarks, Logos, and Brand Names are the property of their respective owners.
This information is not provided by, or affiliated in any way with any radio or antenna Manufacturers.
Thank you for any support you can give.

PHOTOFACT® Folder



VOCALINE MODELS
JRC-400, JRC-425



MODEL JRC-425

VOCALINE MODELS
JRC-400, JRC-425

TRADE NAME	Vocaline Models JRC-400, JRC-425
MANUFACTURER	Vocaline Company of America, Inc., Old Saybrook, Connecticut
TYPE SET	AC-Battery Operated Single Channel 3 Tube Citizens Band Transmitter-Receiver
POWER SUPPLY	110-120 Volts AC, 60 Cycles (or) 6 Volt Storage Battery
RATING	16 Watts, .2 Amp. @117 Volts AC (Receive), 20 Watts, .34 Amp. @117 Volts AC (Transmitt) 3.3 Amp. @6.3 Volts DC
TUNING RANGE	465 MC

HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana



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 KZ439

the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1961 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America

PARTS LIST AND DESCRIPTIONS TUBES

GENERAL ELECTRIC		RAYTHEON		SYLVANIA	
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	Superregenerative Det. - Trans. Osc.	6AF4A	V2	AF Amp. - Speech Amp. Output - Modulator	6AV6
			V3		6AS5

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				NOTES
		VOCALINE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLOY PART No.	
C1A	CAP. 40 150		AFH3-10	C0090	FP31L-5	TMT-3127
C1B	40 150					
C1C	40 150					

FIXED CAPACITORS

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				MALLORY PART No.	SPRAGUE PART No.
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.		
C2	.5-3		1469-0001	829-3	22R5T1	CV-1	MCE235	MS-31
C3	100 5%		1469-00015	TCZ-100	22R5T15	CM-19B-101J	MCE236	MS-315
C4	150 5%		EF-001	MPT-1000	22R5T15	CM-19B-151J	MCE236	
C5	1000		BPD-002	DD-202	BYA10D2	CCF-102	C280A	
C6	2000		BPD-001	DD-103	BYA10S1	CCD-220	B-220	5HK-D20
C7	10000		BPD-002	DD-202	BYA10D2	CCD-103	B-110	5HK-S10
C8	2000		BPD-002	DD-202	BYA10D2	CCD-220	B-220	5HK-D20
C9	2000		BPD-001	DD-103	BYA10S1	CCD-220	B-220	5HK-D20
C10	10000		P106RN-05	DD-103	CUB10S5	CCD-103	B-110	5HK-S10
C11	.05 1000V		BPD-01	DD-103	BYA10S1	16DP-5-503	GEM-1015	107M-S50
C12	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA				INSTALLATION NOTES
		VOCALINE PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	
RIA	500K	PE013-WT	B-59	A47-500K-S	Q11-133	Volume
RB	Shaft		Not Req.	FS-3	Not Req.	Power Off-On
RC	Switch		KB-1	SWE-12	US-26	

RESISTORS

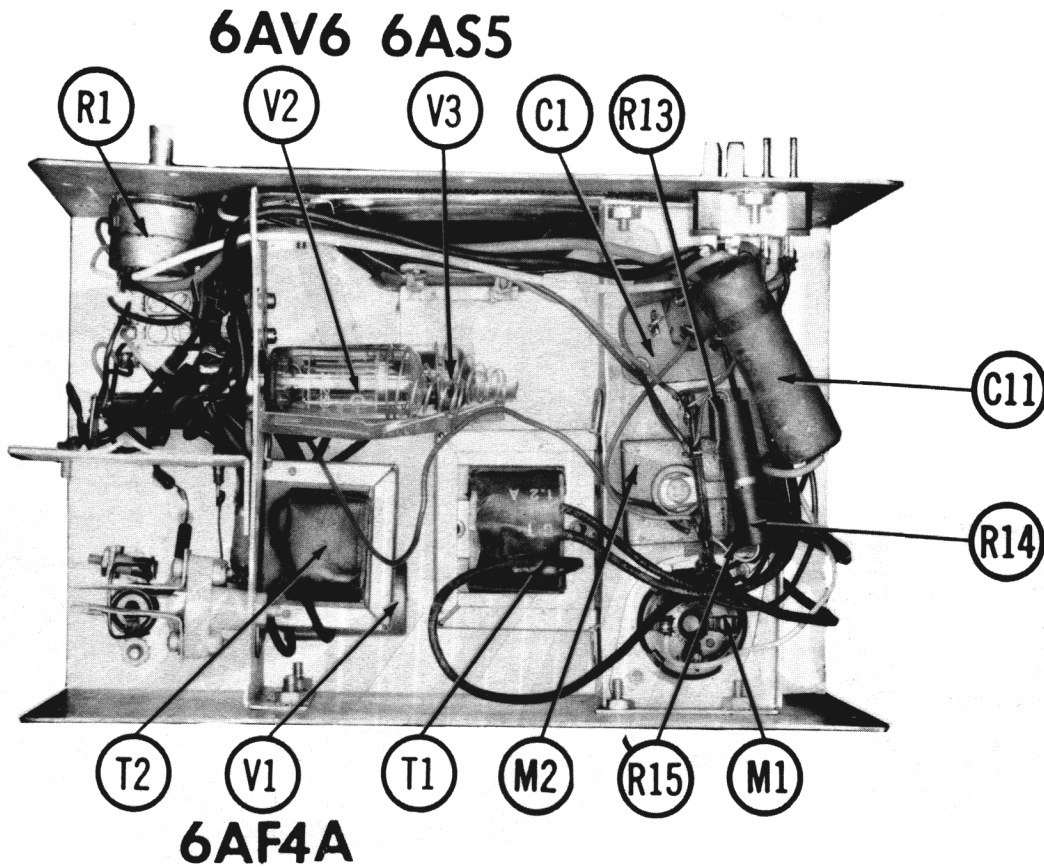
All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING	REPLACEMENT DATA				REMARKS
		IRC PART No.	WORKMAN TV PART No.	REMARKS	REMARKS	
R2	10K					
R3	470K					
R4	270K					
R5	150K					
R6	22K					
R7	470K					
R8	150K					

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	VOCALINE PART No.	REPLACEMENT DATA
K1	Audio Coupling	220mmf, 250mmf, 2000mmf, 5000mmf, 470K, 470K, 6.8meg		Aerovox Centralab Sprague
				PA-113-1
				DT-1

CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		VOCALINE PART No.	Meritt PART No.	Miller PART No.	Stancor PART No.	
L1	Ant.					
L2	RF Choke (.47uh)	①	4588	RTC-8513	T958	① IRC Part #CLA
L3	06c.		4588	RTC-8513	T958	
L4	FL Choke (.47uh)	①		RTC-8513		
L5	FL Choke (.47uh)	①				

TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA				NOTES
		VOCALINE PART No.	Meritt PART No.	Stancor PART No.	Thordarson PART No.	
T1	PRI. SEC. 1 SEC. 2 6.3VCT* 120V②* ② / 2A .065A 117V③† 6.3V④† .8A 1.3A	504K1				* DC Operation. † AC Operation.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA				NOTES
		VOCALINE PART No.	Meritt PART No.	Stancor PART No.	Thordarson PART No.	
T2	3-40	PE 023		A-387B		

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		VOCALINE PART No.	QUAM PART No.	
SP1	4" PM 3-40	V4B33	4A07	

VIBRATOR

ITEM No.	TYPE	INPUT VOLTS	FREQUENCY	REPLACEMENT DATA			NOTES
				VOCALINE PART No.	CORNELL-DUBILIER PART No.	MALLOY PART No.	
M1	Interrupter	6V	115%	5301	1601	5301	

POWER RECTIFIERS

ITEM No.	RATING CURRENT (Measured)	REPLACEMENT DATA			NOTES
		VOCALINE PART No.	RCA PART No.	SARKES TARZIAN PART No.	
M2	.065A	1N1783 *	100A †	SR500 *	† Selenium * Silicon (Use Surge Limiter)

MISCELLANEOUS

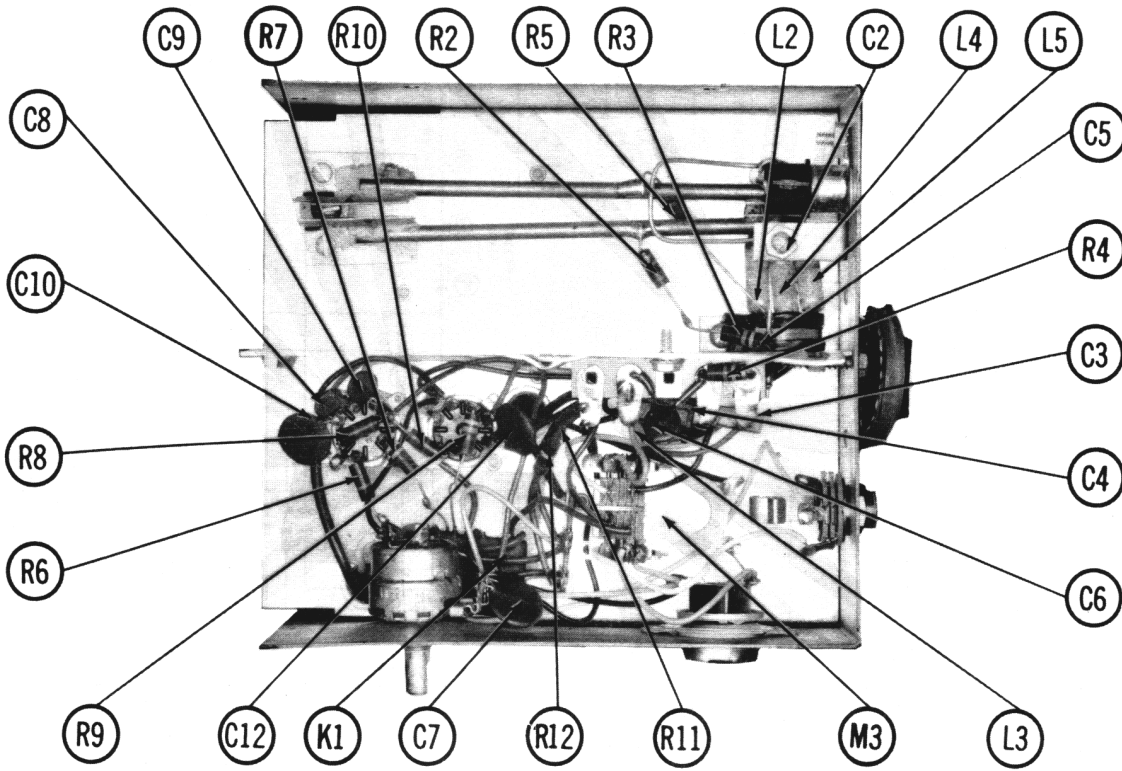
ITEM No.	PART NAME	VOCALINE PART No.	NOTES
M3	Relay		Switching

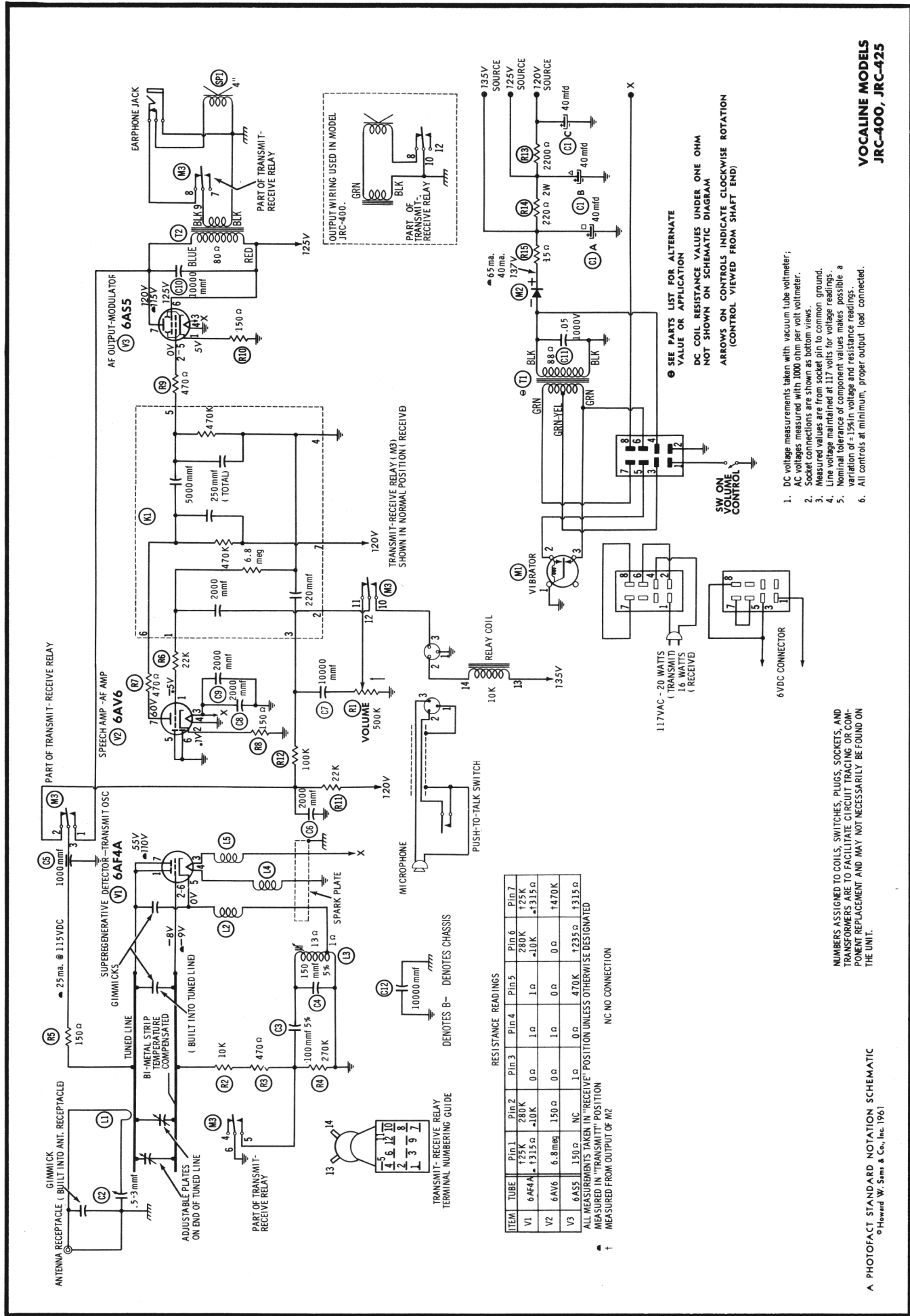
WIRING DATA

ITEM No.	PART NAME	VOCALINE PART No.	NOTES
M3	Relay		Switching

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid) Available in Ten Colors
 8524 (Stranded) Available in Ten Colors
 Power Cord Use BELDEN No. 1765-B (6 Ft. Length)
 1725-K (7½ Ft. Length)

CHASSIS—BOTTOM VIEW





**VOCALINE MODELS
JRC-400, JRC-425**