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NOTICE

ONLY THOSE PERSONS PROPERLY LICENSED ARE PERMITTED TO MAKE REPAIRS OR ADJUSTMENTS WHICH MAY RESULT IN ILLEGAL OPERATION. (REFER TO FCC RULES & REGULATIONS PART 19. SUBPART D, SECTION 19.71).

TRADE NAME MANUFACTURER Bendix Models CB-6, CB-12

TYPE SET POWER SUPPLY

RATING

Bendix Marine, 8211 Lankershim Blvd., North Hollywood, California
AC or Battery Operated Crystal Controlled 8 Tube Citizens Band Transmitter-Receiver
CB-6: 110-120 Volts AC, 60 Cycles (or) 6 Volt Storage Battery
CB-12: 110-120 Volts AC, 60 Cycles (or) 12 Volt Storage Battery

50 Watts, .5 Amp. @117 Volts AC (or) 7.6 Amp. @6.3 Volts DC (or) 3.8 Amp. @12.6 Volts DC FREQUENCY RANGE

Any 4 of Citizens Band Channels 1 thru 22

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS-READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Use only enough generator output to provide a usable indication. Suggested Alignment Tools:

Al thru A7, A9..GENERAL CEMENT #9296, 9297

WALSCO #2546, 2547
A8, A10..... GENERAL CEMENT #5000, 5003, 5066, 8276, 8290, 9087, 9089

WALSCO #2515, 2520, 2522, 2523, 2531, 2532, 2534, 2537, 2538

RECEIVER ALIGNMENT

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
1.	High side thru .001mfd to pin 2 (grid) of Mixer. Low side to chassis.	1650KC	Not Used.			Adjust for maximum deflection on first peak as slug enters coil.
_						

2. Adjust A7 for maximum background noise.

TRANSMITTER ADJUSTMENT

ONLY THOSE PERSONS PROPERLY LICENSED ARE PERMITTED TO MAKE REPAIRS OR ADJUSTMENTS WHICH MAY RESULT IN ILLEGAL OPERATION. (REFER TO FCC RULES & REGULATIONS PART 19, SUBPART D, SECTION 19.71)

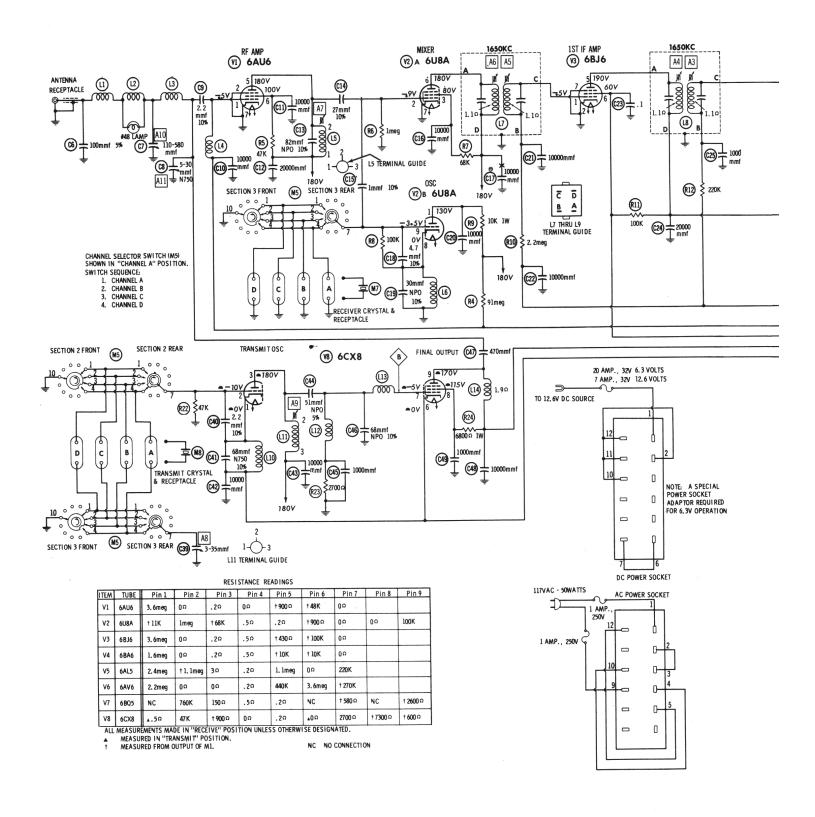
- 1				
	SPECIAL INSTRUCTIONS	INDICATOR	ADJUST	REMARKS
1.	Connect a 52Ω dummy load to antenna jack.	Frequency meter.	A8	Adjust to frequency indicated on crystal (within 100°).
2.		Connect VTVM between point B (pin 7, V8) and chassis.	A9	Adjust for maximum deflection.
3.	Set Al0 for maximum capacity.	Indicator Lamp.	A10, A11	Adjust alternately for maximum lamp brightness, ending with All.

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



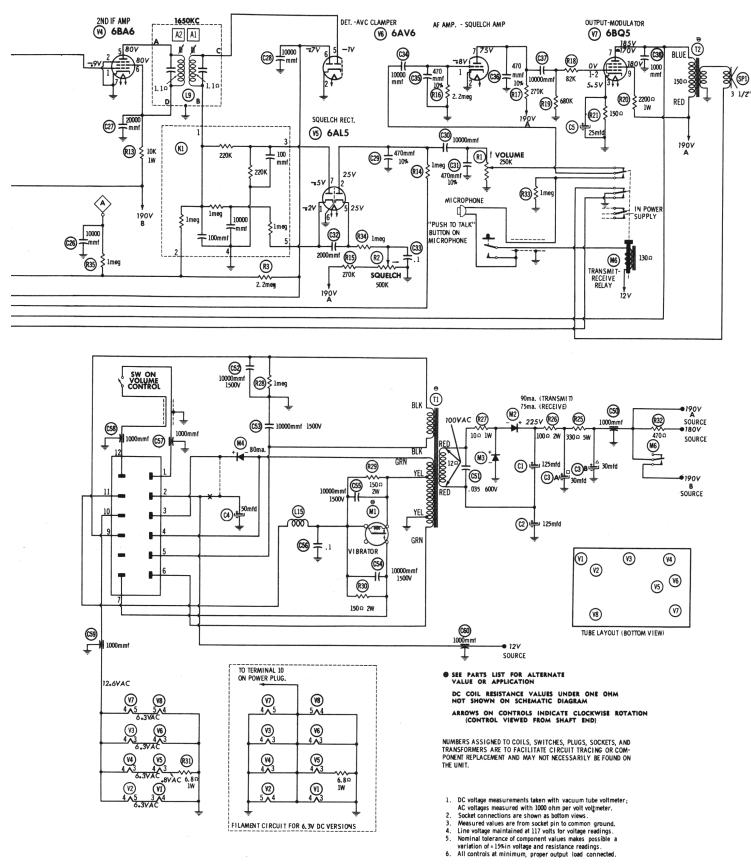
The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of KZ429R

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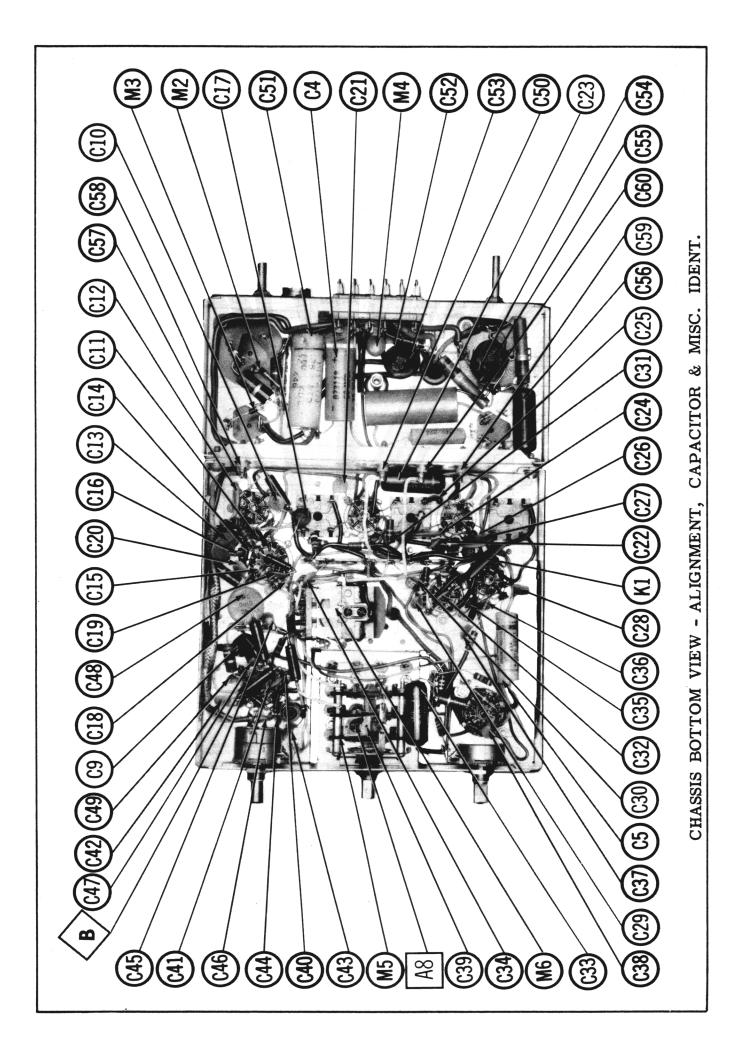


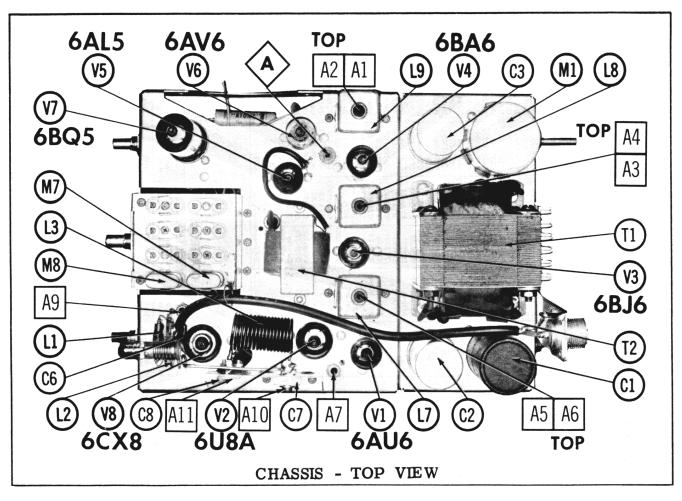
A PHOTOFACT STANDARD NOTATION SCHEMATIC

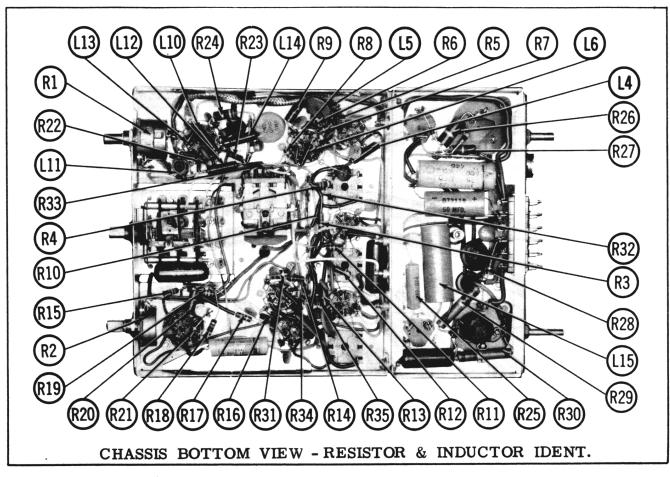
@Howard W. Sams & Co., Inc. 1962



BENDIX MODELS CB-6, CB-12







PARTS LIST AND DESCRIPTIONS

TUBES

•	TYPE	6AV6	6BQ5	6CX8	
 SYLVANIA 	USE	DetAVC Clamper- AF AmpSpeech Amp.	AF Output-Modulator	Trans. OscFinal Amp.	
RAYTHEON	ITEM No.	9.0	V7	N8	
RA					
GENERAL ELECTRIC •	TYPE	6AU6 6U8A	6BJ6	6BA6	6AL5
GENERAL		ıe	ifier	plifier	tifier
•	J SN	RF Amplifier Mixer-Osc.	lst IF Amplifier	2nd IF Amplifier	Squelch Rectifier

ELECTROLYTIC CAPACITORS

	_					
SPRAGUE PART No.	TVLS-1470*	TVLS-1470*	TVL-2628		TVA-1206	TVA-1205
PYRAMID PART No.	TMS-1250	TMS-1250	TMD-2385		TD-50-25	TD-25-25
MALLORY PART No.	FP122	FP122	TP227.3		TC29	TC26
GENERAL ELECTRIC PART NO	XC1-14	XC1-14	XC2-24		QT1-15	QT1-11
CORNELL- DUBILIER PART No.			B0310		BBR50-25	BBR25-25
AEROVOX PART No.	AFHS1-22	AFHSI-22	AFH2-39		PRS1265	PRS1260
BENDIX PART No.	073-018	073-019	073-026		073-118	073-002
VOLT.	200	200	350	320	22	22
CAP.	125	125	■30	₹30	20	22
No.	ี่ อี	C	C3A	Д	ζ	CS
	CAP VOLT BENDIX AEROVOX CORNELL GENERAL MALLORY PYRAMID SPART No. PART NO.	CAP. VOIT. BENDIX AEROVOX CORNELID. GENERAL MALLORY PYRAMID 125 200 073-018 AFHBI-22 XCI-14 FP122 TMS-1250	CAP. VOLT. BENDIX AEROVOX CORNELL GENERAL GENERAL AALLORY PART No. 126 200 073-018 AFRBI-22 XCI-14 FP122 TMS-1250 125 200 073-019 AFRBI-22 XCI-14 FP122 TMS-1250	CAP. VOI.T. BENDIX AEROVOX PART No. DUBILIER DUBILIER GENERAL GENE	CAP. VOI.T. BENDIX AEROVOX PART No. CORNELL FORT No. GENERAL FORT NO. MALLORY PARAMID PART NO. PART NO.	CAP. VOLT. BENDIX ARROVOX CORNELL GENTRAL MALLORY PYRAMID PART No. P

^{*} Not normally in distributor's stock. Available thru distributor on order to manufacturer.

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

					REPLACE	REPLACEMENT DATA			
N E	RATING	REMARKS	AEROVOX PART No.	CENTRALAB PART No.	CORNELL- DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.	
ဗ	100 5%		1469-0001	TCZ-100	22R5T1	CM-19B-101J	MCE235	MS-31	
C2	110-580	#089-024							
8	6-30 N750	#089-033							
క	2.2 10%		NPO-SI 2.2	TCZ-2R2	C10V22C	CCTO-2R2	CNO-522	10TCC-V22	
Ci	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10	
E C	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10	_
CIS	20000		BPD-02	DD-203	BY B6S2	CCD-203	B-120	5HK-S20	_
CI3	82 NPO 10%			DTZ-82	C10Q82C	CCTO-820	CNO-482	10TCC-Q82	
CI4	27 10%		DI-27	DD-270	L10Q27	CCD-270	GP427	10TS-Q27	R
CIS	1 10%		NPO-SI 1. 0	TCZ-1			CNO-510	10TCC-V10	
CIG	10000		BPD-01	DD-103	BYA10S1	CCD-103		5HK-S10	_
C17	10000	Note 1	BPD-01	DD-103	BYA10S1	CCD-103		5HK-S10	R2
C18	4.7 10%		NPO-SI 4.7	TCZ-4R7	C10V47C	CCTO-4R7		10TCC-V47	
C19	30 NPO 10%		NPO-DI 33	TCZ-30	C10Q3C	CCTO-300		10TCC-Q30	
C20	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10	
C21	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10	
C22	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10	
C23	.1 200V		P288N-1	DF-104	CUB2P1	2DP-3-104	GEM-201	2TM-P10	
C24	20000		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20	
C25	1000		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10	

FIXED CAPACITORS (cont)

-					REPLACE/	REPLACEMENT DATA		
No.	RATING	REMARKS	AEROVOX PART No.	CENTRALAB PART No.	CORNELL- DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C26	_		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C27			BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C28	_		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C29	_		DI-470	DD-471	5R5T47	CCD-471	GP347	10TS-T47
င်ဒ	_		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C3I	_		DI-470	DD-471	5R5T47	CCD-471	GP347	10TS-T47
C32	~		BPD-002	DD-202	BYA10D2	CCD-202	B-220	5HK-D20
C33	_		P288N-1	DF-104	CUB2P1	2DP-3-104	GEM-201	2TM-P10
C34	_		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C32			DI-470	DD-471	5R5T47	CCD-471	GP347	10TS-T47
C36	_		DI-470	DD-471	5R5T47	CCD-471	GP347	10TS-T47
C	_		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
S	_		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C39	_	900-680#				403		
C40	2.2 10%		NPO-SI 2.2	TCZ-2R2	C10V22C	CCTO-2R2	CNO-522	10TCC-V22
C41	_		N750-DI 68	TCN-68	C10Q68U	CCTN-680	CN7-468	10TCU-Q88
C42	_		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C43	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C44				TCZ-51	C10Q51C	CM-19B-510J	CNO-450	10TCC-Q50
C45	_		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C46	_		NPO-DI 68	DTZ-68	C10068C	CCTO-680	CNO-468	10TCC-Q68
C47	_		SI 470	D6-471	BYA10T47	CCD-471	B-347	10TS-T47
C48	_		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C49	_		BPD-001	DD-102	BYA10D1	CCD-102	B-102	5HK-D10
C20	_		EF-001	MFT-1000		CCF-102	CT280A	
C2	<u>.</u>		P688N-33		DPMS6P33	6DP-6-334	GE M-6033	
C52	_		DAC-27	DD16-103	HVE16S1	16DP-3-103	UAC-II0	BL-S10
C2	_		DAC-27	DD16-103	HVE16S1	16DP-3-103	UAC-110	BL-S10
C54	_		DAC-27	DD16-103	HVE16S1	16DP-3-103	UAC-110	BL-S10
C22	_	,	DAC-27	DD16-103	HVE16S1	16DP-3-103	UAC-110	BL-S10
C26			P288N-1	DF-104	CUB2PI	2DP-3-104	GEM-201	2TM-P10
C21	_		EF-001	MFT-1000		CCF-102	CT280A	
C28	_		EF-001	MFT-1000		CCF-102	CT280A	
200	1000		EF-001	MFT-1000		CCF-102	CT280A	
5	4		E.F001	MF.I1000		CCF-102	CTZ80A	

Bendix Part Number Note 1. Not used in some versions.

CONTROLS

	CIMATO	2		REF	PLACEMENT DA	TA		
TEM	KA	٥	PENDIY	CENTRALAB	,	CTC - IBC	VACILAM	SEECIA INCIES INVESTA
ģ Ž	RESIST. ANCE	WATTS	PART No.	PART No.	PART No.	PART No.	PART No.	INSTALLATION NOTES
RIA	250K	-400	052-081	B-51	A47-250K-Z	Q13-130	U44	Volume
Д	Shaft			Not Req.	1. FS-3	Not Req.	Not Req.	
O	Switch			KR-1	SWE-12	16-1	US-26	Power Off-On
R2A	500K	-100	052-082	B-59	A47-500K-S	Q11-133	020	Squelch
Д	Shaft			Not Req.	FS-3	Not Req.	Not Req.	

PARTS LIST AND DESCRIPTIONS (Continued)

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

_	_	_	_				_	_			_		_	_			_		\neg
ATA	PEMARKS																		
REPLACEMENT DATA	WORKMAN	PART No.						5W-SQ-330											
REF	IRC	PART No.						PW5-330											
	RATING		2200G IW	1500	47K	210002	68000 IW	3300 5W	1000 2W	WI 201	lmeg	150G 2W	1500 2W	6.80 IW	4100	lmeg	lmeg	lmeg	
į	I EM	į	R20	R2I	R22	R23	R24	R25	R26	R27	R28	R29	R30	R31	R32	R33	R34	R35	
ATA	DEMABRE	MENTANA																	
REPLACEMENT DATA	WORKMAN	PART No.																	
REP	₩ E	PART No.																	
	RATING		2. 2meg	91meg	47K	lmeg	68K	100K	10K IW	2. 2meg	100K	220K	10K 1W	lmeg	270K	2.2meg	270K	82K	680K
	ITEM	ģ	R3	R4	82	R6	R7	88	R9	RIO	B	RI2	R13	R14	RIS	RI6	RI7	R18	R19

COMPONENT COMBINATIONS

REPLACEMENT DATA	
BENDIX PART No.	069-003
DESCRIPTION	(2) 100mmf, 10000mmf, (2) 220K, (3) 1 meg
USE	Noise Clipper Network
No.	K

COILS (RF-IF)

	-			REPLACEMENT DATA	T DATA		
	E :	asn	BENDIX	Merit	Miller	Stancor	NOTES
	ż		PART No.	PART No.	PART No.	PART No.	
_	ī	RF Choke(. 56uh)	027-077	BC-560	4588	RTC-8513	
	L2	Output Indicator	011-118				
	L3	RF Choke	011-120				
	14	RF Choke(5, 6uh)	027 028	BC-565	4609	RTC-8519	
	1.5	RF	012-414	TV-118	6171-A	RTC-8609	
	2	RF Choke(5, 4uh)	027-004	SW-631	4609	RTC-8519	
	17	lst IF	014-030				
	F8	2nd IF	014-030				
	179	3rd IF	014-030				
	1.10	RF Choke(5,6uh)	027-028	BC-565	4609	RTC-8519	
	LII	Osc. Plate	012-415	TV-118	6171-A	RTC-8609	
	1.12	RF Choke(5.6uh)	027-028	BC-265	4609	RTC-8519	
	1.13	RF Choke (. 47uh)	027-073		4588	RTC-8513	
	1.14	RF Choke(15uh)	027-032		4624	RTC-8524	
	r:	Hash Choke(4uh)	027-010	BC-537	5219	RTC-9181	
_							

TRANSFORMER (POWER) REPLACEMENT DATA

TRANSFORMER (AUDIO OUTPUT)

					REPLA	REPLACEMENT DATA	ATA		
	Ž Ž	≤	APEDANCE	BENDIX	Merit	Stancor	Stancor Thordarson	Triad	NOTES
		PRI.	SEC.	LAKI NO.	LAKI NO.	LAKI NO.	LAKINO.	LAKI NO.	
_	T2	270002	3-40	272-004 D					① Alternate Part #272-034.

SPEAKER

				REPLACEMENT DATA	NT DATA	
Z Z		TYPE		BENDIX	QUAM	NOTES
	SIZE		FIELD V. C. IMP.	PART No.	PARI No.	
SP1	3½" PM	PM	3-40	152-016	3A070T	

VIBRATOR

					REPLACEMEN	NI DAIA			
Ž Š Š	TYPE	VOLTS	NPUT FRE-	BENDIX PART No.	CORNELL- DUBILIER PART No.	MALLORY PART No.	RADIART PART No.	NOTES	
Mi	Interrupter	12V	1150	117-003	6301	G1601	6301	12 Volt Versions	
	Interrupter	Λ9	1150	117-008	5301	1091	5301	6 Volt Versions	

POWER RECTIFIERS REPLACEMENT DATA

					The second name of the second na	
No.	CURRENT (Measured)	BENDIX	RCA PART No.	SARKES TARZIAN PART No.	SYLVANIA PART No.	NOTES
M2 M3	. 090A . 090A . 070A	474-012 474-012 474-004	INI763 * INI763 * INI763 *	40H * 40H * 40H *	SR500 * SR500 * SR500 *	* Silicon Type

MISCELLANEOUS

Ş.	PART NAME	BENDIX PART No.	NOTES
M6 M6	Switch Relay Relay Microphone	171-096 111-019 111-082 113-015	Channel Selector (Rotary Wafer Type) AC-12YDC Versions AC-6VDC Versions
M7 M8	Crystal Crystal		Receive Transmit

FUSES

SS No.	HOLDER					
PARI	FUSE	AGC 1	AGC 1	SFE 7	SFE 20	
FUSE No.	HOLDER					
LITTEL	FUSE	312001 (1A 250V)	312001 (1A 250V)	307007 (7A 32V)	3110202 (30A 32V)	
DIX No.	HOLDER					
BENI	FUSE					
RATING		1A (L) 250V	1A (1)	7A 32V②	20A 32V ③	
TYPE		3AG	3AG			
Z E						
	TYPE	RATING BENDIX PART No. LITTELFUSE PART No. BUSS PART No. FUSE HOLDER FUSE HOLDER FUSE	TYPE	TYPE RATING BENDIX LITTELFUSE RUSS RUSS PART No.	TYPE RATING BENDIX LITTELFUSE PART No. PART No.	TYPE RATING BENDIX LITTELFUSE PART No. PART No.

① 117 VAC Operation. ② 12VDC Operation. ③ 6VDC Operation.

CABINETS & CABINET PARTS

Color)	
•ర	١
Chassis	
/ Model,	
Specify	
Parts,	
Cabinet	
≪	
Cabinets	
Ordering	
(When	

DESCRIPTION	Channel Selector Volume, Squeich
PART NO.	3000798 3000799 465-066
NAME	Knob Knob Cabinet

WIRING DATA

General-use Unshielded Hook-up Wire	Power Cord
Use BELDEN No.	Use BELDEN No.
r-up Wire	
ral-use Unshielded Hook	r Cord
Gene	Powe