This Manual is provided by



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.

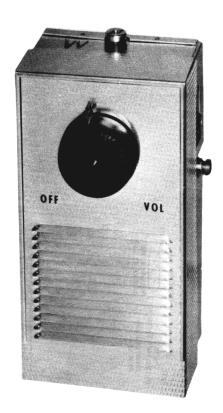
ALL the money from donations is used for CBTricks.com I didn't do all the work to make money (I have a day job). I all didn't do all this work for someone else to make money also, for example the ebay CD sellers.

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.

HEATH **MODEL GWW-30**





TRADE NAME Heath Model GWW-30

MANUFACTURER Heath Co., A Subsidiary of Daystrom, Inc., Benton Harbor, Michigan

TYPE SET

Battery Operated Transistorized Portable Citizens Band Transmitter-Receiver

POWER SUPPLY

RATING

12MA@9 Volts DC (Receive) 25MA@9 Volts DC (Transmit)

TUNING RANGE

Any One of Citizens Band Channels 1 thru 23

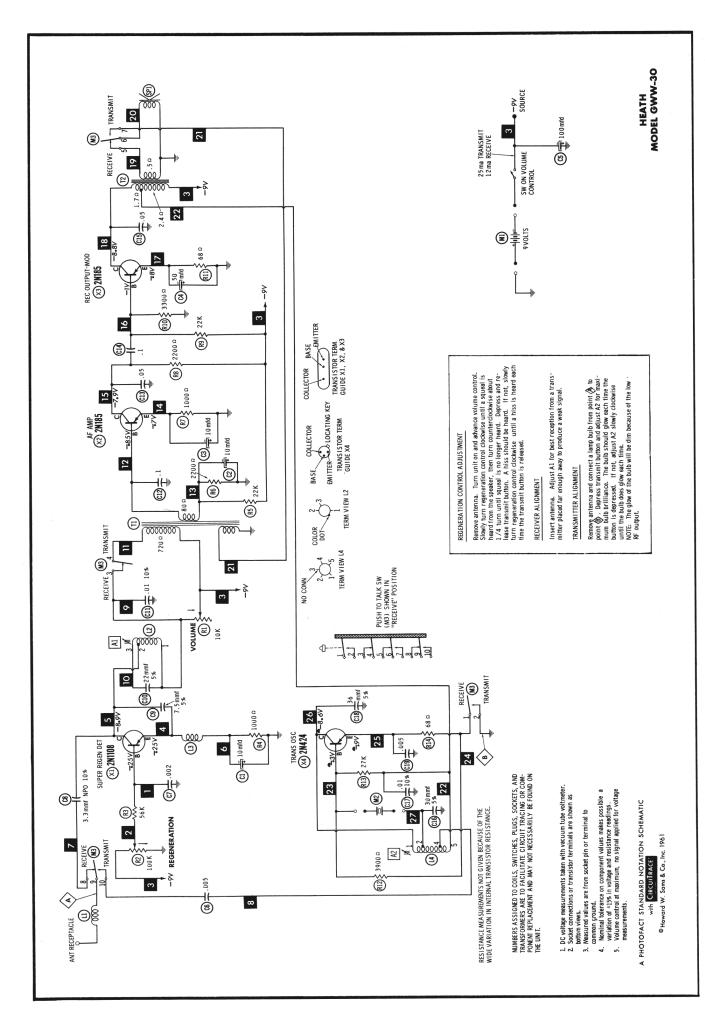
NOTICE

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).

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 KZ806 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 TRANSISTORS

			REPLACEME	REPLACEMENT DATA	
Š ė	ORIG.	USE	RCA PART No.	RAYTHEON PART No.	NOTES
XXXX X	2N1108 2N185 2N185 2N424	Superregen. Det. AF Amplifier Rec. Output-Mod. Trans. Osc.	2N412 2N408 2N408	2N633 2N633	PNP PNP PNP PNP PNP

ELECTROLYTIC CAPACITORS

FIXED CAPACITORS

					REPLACE/	REPLACEMENT DATA		
	RATING	REMARKS	AEROVOX PART No.	CENTRALAB PART No.	CORNELL- DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
1	. 005		DI-5000	DM-502	H-05S5	CCD-502	TA-250	TG-D50
	.002		DI-2000	DD-202	BYA10D2	CCD-202	B-220	5HK-D20
	3.3 NPO 10%		NPO-DI 3.3 DTZ-3R3	DTZ-3R3	C10V33C	CCTO-3R3	CNO-533	10TCC-V33
	7.5 5%		-					
	22 5%		1469-000022 TCZ-22	TCZ-22	22R5Q22	CM-19B-220J		MS-422
	201 10%		DI-10000			CCD-103		10TS-S10
			C80V104AM DA-104	DA-104	H-05P1		TA-010	TG-P10
	.05		BPD-05	D D-503	H-05S5		TA-150	TG-S50
			C80V104AM		H-05P1		TA-010	TG-P10
	.05		BPD-05	DA-503	H-05S5		TA-150	TG-S50
	30 5%		1469-00003	TCZ-30	22R5Q3	CM-19B-300J		MS-43
	,01 10%		DI-10000			CCD-103		10TS-S10
	36 5%		1469-000036 TCZ-36	TCZ-36	22R5Q36	CM-19B-360J		MS-436
	.005		BPD-005	DM-502	H-05D5	CCD-502	TA-250	TG-D50

CONTROLS

RESIT REATH CENTRALAB CLAROSTAT CTS-IRC MALILORY MALICORY ANCE VART No. PART No. PA			9		REP	EPLACEMENT DATA	TA		
RESIST. WATTS TEATT No. PART No. PART NO. PART NO. PART NO. 10K 1/4 19-54 448-10K-W M.C.14A-S	TEX T	Š	٥	מהאשמ	CENTERALAB	CIABOSTAT		Vaccinate	
1/4 19-54 MLC.14A-S	Š	RESIST- ANCE	WATTS		PART No.	PART No.		PART No.	INSTALLATION NOTES
	22	10K 100K	7.7.4 4.4.	19-54 10-109		44S-10K-W		MLC14A-S	Volume & Switch Regeneration

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

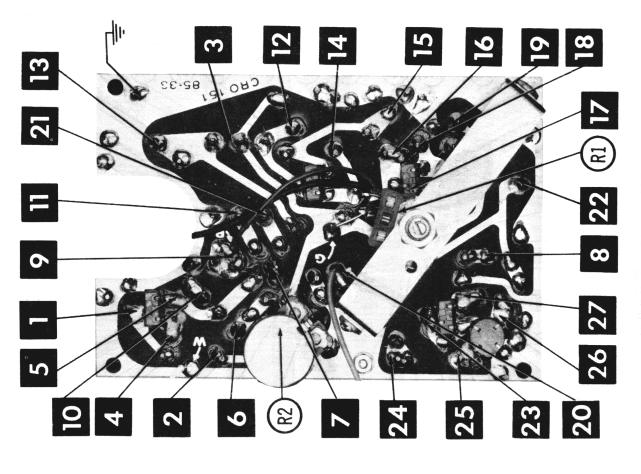
TA	REMARKS							
REPLACEMENT DATA	WORKMAN	PART No.						
REP	IRC	PART No.						
	RATING		22K	33000	680	39003	27K	680
	Z Z		R9	RIO	RII	RI2	RI3	R14
TA	REMARKS							
REPLACEMENT DATA	WORKMAN	PART No.						
REP	IRC	PART No.						
						200	20	20
	RATING		26K	10000	22K	220	100	220
	Me RATING		_			R6 220		R8 220

COILS (RF-IF)

			1010				
1	_		KELLACE	KELLACEMENI DAIA			
Š	USE	HEATH PART No.	Merit PART No	Miller PART No.	Stancor PART No.	Workman TV	NOTES
						.02	
7	Ant. Loading(2, 2uh)	40-319	BC-563	4606	RTC-8517	T857	
17	Rec. Osc.	40-317					
L3	RF Choke(15uh)	45-51	BC-566	4624	RTC-8524	T862	
7	Transmitt Osc.	40-318					

PRINTED BOARD

A Howard W. Sams CIRCUITRACE" Photo



PARTS LIST AND DESCRIPTIONS (Continued) TRANSFORMER (DRIVER)

	NOTES				
	Triad PART No		-		
NT DATA	Thordarson PART No.	- CAN 140			
REPLACEMENT DATA	Stancor	LAKI MO.		-	
	Merit	LAKI NO.			
	HEATH Merit Stancor Thordarson Triad	LAKI NO.	51-66		
	ITEM TURNS RATIO	PRI. SEC. 1	7.	SEC. 2	: 1
	TURNS	_	T1 3.5		40
	Ř.		Ħ		

			_		_
		NOTES			
rPUT)		Triad PART No			
lo on	VIA	Merit Stancor Thordarson Triad			
(AUD	REPLACEMENT DATA	Stancor			
ORMER	REPLA	Merit	100	J	
TRANSFORMER (AUDIO OUTPUT)		HEATH	1	51-67	
		ANCE	SEC.	3-40	
		IMPEDANCE	PRI.	T2 6500 Tap 3-40	0009 @
		ΠE.		T2	

	ER		NOTES) i	
	SPEAKER	4T DATA	QUAM	PAKI No.	
		REPLACEMENT DATA	HEATH	PARI No.	401-37
				SIZE FIELD V. C. IMP.	3" PM 3-43
			TYPE	FIELD	μd
(g) 600%				SIZE	
			Z Z		Spl

BATTERIES

	ES		
_	NOTES		
	MALLORY	8	M-1602
	MAL	∀	
ENT DATA	ADY	8	246
REPLACEMENT DATA	EVEREADY	∀	
	URGESS	8	2N6
	BURC	¥	
	HEATH	PART No.	
	ITEM VOLTAGE		Λ6
	ITEM	ģ	M

MISCELLANEOUS

1011 404-67 404-67 404-67 404-68 404-68 404-72 404-72 404-73 404-73 404-74 404-82 404-82 404-83 404-83 404-86 404-88 404-88 404-89 404-88 404-89 404-	Channel 1 Channel 2
Crystal, Transmit 404-87 2 404-70 2 404-70 2 404-71 2 2 404-71 2 2 404-71 2 2 404-71 2 2 404-71 404-71 404-71 404-81 404-	Channel 1 Channel 2 Channel 3
404-88 2 404-70 2 404-70 2 404-70 2 404-70 2 404-70 2 404-71 2 404-71 404-77 404-77 404-78 404-88 40	Channel 2
404-69 404-71 404-72 404-72 404-73 404-73 404-73 404-74 404-74 404-74 404-80	Channel 3
404-70 404-71 404-72 404-73 404-74 404-74 404-76 404-76 404-80 404-80 404-84 404-84 404-86 64-10 Antenna	Citating
404-71 404-72 404-73 404-74 404-74 404-76 404-76 404-89	Channel 4
404-72 404-73 404-73 404-76 404-77 404-77 404-80 404-81 404-82 404-83 404-84 404-86	Channel 5
404-73 404-74 404-76 404-77 404-77 404-82 404-82 404-82 404-82 404-82 404-82 404-83 404-84 404-84 404-84 404-84 404-86 404-86 64-10 Antenna	Channel 6
404-74 404-75 404-77 404-77 404-77 404-80 404-80 404-82 404-82 404-83 404-84 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86	Channel 7
404-75 404-77 404-77 404-78 404-80 404-81 404-82 404-83 404-84 404-84 404-86 404-87 404-89 8witch 64-10	Channel 8
404-76 404-77 404-78 404-79 404-82 404-82 404-83 404-83 404-84 404-84 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86	Channel 9
404-77 404-78 404-78 404-81 404-82 404-83 404-84 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86	Channel 10
404-78 404-89 404-80 404-82 404-82 404-83 404-84 404-86 404-87 404-86 404-87 404-89 8witch 64-10	Channel 11
404-79 404-80 404-82 404-82 404-83 404-85 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86 404-86	Channel 12
404-80 404-81 404-82 404-83 404-84 404-86 404-87 404-89 8witch 64-10 Antenna 142-35	Channel 13
404-81 404-82 404-82 404-83 404-84 404-85 404-89 8witch 64-10 Antenna 142-35	Channel 14
404-82 404-83 404-83 404-86 404-86 404-86 404-8 404-89 8witch 64-10 Antenna 142-35	Channel 15
404-83 404-84 404-86 404-87 404-87 404-87 404-89 5witch 64-10 Antenna 142-35	Channel 16
404-94 404-86 404-86 404-87 404-89 404-89 Switch 64-10 Antenna 142-38	Channel 17
404-86 404-86 404-87 404-87 404-89 5witch 64-10 Antenna 142-35	Channel 18
404-86 404-87 404-87 404-88 5witch 64-10 Antenna 142-35	Channel 19
404-87 404-88 404-89 5witch 64-10 Antenna 142-35	C Channel 20
404-88 404-89 5witch 64-10 Antenna 142-35	Channel 21
404-89 Switch 64-10 Antenna 142-35	C Channel 22
Switch 64-10 Antenna 142-35	C Channel 23
Antenna 142-35	Push to talk (4 Section Pushbutton Type)
Amelina	10" Whip, Collapsible to 7 1/2"
Printed Board 85-33F373	

CABINETS & CABINET PARTS

(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

NAME	PART NO.	DESCRIPTION
Knob Leather Case	462-109 93-4	Includes Strap

CHASSIS—TOP VIEW

2N185					2N18	5
\sim (X3) (C14)	C15	R10 C13	(3) (R7)	(C12)	(R8) (C5) (X2)	(R5) (T1) (R6)
(R11)				//		(02)
(12)		J. W. IN			110V	(11)
(C4)	M	THE STATE OF THE S	ALL A	//		
		10	P	To many	1001 100	(010)
(6)		VI FIN				(12)
(1)			0			(07)
(14)	TIE				TO ATE	
	1	27/1		1/3		(X1)
A2	11/	1-4		1/2		2N1108
(C17)		/////	1	1/		Al
			/ 🙀 /	\		(9)
(C18)				λ ,	A $C1)(R4)(R$	3) (L3) (C8)
)(M2) (R	14) R12 R13	(M3) (R9) <	\triangleright	A C1 (4) (4)	
2N424						

WIRING DATA