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NOTE: \*FOR INFORMATION ONLY. CONTRACTOR MAY AT HIS OPTION DEVIATE FROM THESE PROCESS DETAILS

TABLE I  
BARE STRAP WIRES  
SHOWN BY DOUBLE LINES

PART	TERM TO PART	TERM
ITEM 25, #14 BARE WIRE		
T801	11	GND BY J811
T801	12	J811 10
J811	11	GND BY J811
ITEM 26, #18 BARE WIRE		
T801	3	T801 1
T801	10	GND BY XV801
ITEM 27, #22 BARE WIRE		
T801	5	XV801 6
T801	6	GND BY XV801
T801	7	XV802 6
T801	8	XV801 4
XV801	1	XV801 6
XV801	3	XV801 8
XV801	3	XV802 8
XV801	5	GND BY XV801
XV802	1	XV802 6
XV802	3	XV802 8

TABLE II  
STRANDED JUMPER WIRES

WIRE NO.	COLOR	FROM	TO	ITEM NO.
1	WHT-BRN	T801-1	T801-1	14
2	WHT-ORN	T801-2	T801-4	16
3	WHT-BLK	T801-4	T801-4	13
4	WHT-BLU	T801-8	J811-1	18
5	WHT-GRN	T801-10	J811-2	17
6	WHT-BLU	J811-3	T801-3	18
7	WHT-RED	J811-4	T801-5	15
8	WHT	J811-6	T801-7	12
9	WHT-GRN	J811-8	T801-8	17
10	WHT-BLK	J811-7	T801-8	13
11	WHT-RED	J811-5	XV801-8	21
12	WHT-BLK	XV801-4	XV802-4	19
13	WHT-BRN	XV801-5	XV802-5	20

- NOTES:
- LIQUID STAKE MOUNTING SCREWS ON TERMINAL BOARD (10) AND CONNECTOR (11) USING LOCTITE GRADE C (31) AS SUPPLIED BY AMERICAN SEALANTS CO, HARTFORD, CONN. OR EQUAL.
  - AS SUPPLIED BY PHEOLL MFG CO., CHICAGO, ILL. OR EQUAL.
  - 3-32NC-2B, 1/8 HEX, 1/8 THK, DOUBLE CHAM, SST.
  - 4-40NC-2B, 1/4 HEX, 3/32 THK, DOUBLE CHAM, SST.
  - SPRING LOCK #5 MED., 123 I.D., 239 O.D., .031 THK, CRES TYPE 302, AS SUPPLIED BY CENTRAL SCREW CO., CHICAGO, ILL. OR EQUAL.
  - TYPE S DRAWN & ANNEALED TIN COATED.
  - ASSEMBLY SHALL BE WIRED TO PROVIDE CIRCUIT SHOWN ON SCHEMATIC DIAGRAM SM-J-249190.
  - USE INSULATION (6 OR 7) ON CONNECTOR (11) CUT 1/2 INCH LONG.
  - SYMBOL  $\phi$  INDICATES TUBING (5), UNLESS OTHERWISE NOTED.
  - IN ALL SPLIT BALLOONS TOP FIGURE IS MATERIAL LIST ITEM INDICATOR & BOTTOM FIGURE IS QUANTITY.
  - COAT RUBBER STAMPING WITH VARNISH (32), TYPE I, PER SPEC MIL-V-173.
  - FINISH: P213 PER SPEC MIL-F-14072. FINAL PAINT FILM #14110 GLOSS ENAMEL PER FED-STD-595 TO MEET THE APPLICABLE REQUIREMENTS OF SPEC MIL-F-14072. PAINT THE ENTIRE HEAD (EXCLUDING UNDERSIDE).
  - SHALL BE C-18, WITH NYLON JACKET.
  - SHALL BE B-22, WITH NYLON JACKET.
  - INSULATION SHALL BE BLACK VINYL COATED FIBER-GLASS TUBING.
  - PART SHALL BE NYLON WAXED TWINE 32 LB TYPE P CLASS 3. COLOR SHALL BE BLACK.
  - AFTER WIRING, THE CABLE WITH TWINE (39) AS REQUIRED.
  - ALL MARKING SHALL MEET THE REQUIREMENTS OF SPEC. MIL-M-13231.

SWE APPROVAL		REVISIONS			
SYM	PR-10048-7	SYM	DESCRIPTION	DATE	APPROVAL
B <sub>1</sub>	CA84590	B <sub>1</sub>	REVISED & REDRAWN. ADDED SHEET 2.	10 DEC 55	REV. PHE
C <sub>1</sub>	CA84810	C <sub>1</sub>	ITEM 38 ADDED SWE NO. 03511280-43-1	24 JUNE 60	REV. PHE
D <sub>1</sub>	CA 84832	D <sub>1</sub>	ITEM 33 WAS MS20659-1	24 AUG 60	REV. PHE
E <sub>3</sub>	CA 84855	E <sub>3</sub>	(1) ITEM 35 WAS 6 RECD. (2) ITEM 40 ADDEL. E <sub>3</sub> - SEE SHEET #2 FOR REVISION	14 OCT 60	REV. PHE
F	CA 84875	F	(1) WAS NOTE #1 VARNISH #752G BLUE GENERAL ELECTRIC CORR. SCANECTADY, N.Y. (2) ITEM #31 WAS 11510316-4 VARNISH BLUE.	17 OCT 60	REV. PHE
G	CA.85050	G	(1) ITEM 33 WAS MS25036-1	1 FEB 61	REV. PHE
H	CA 85146	H	(1) SEE SHEET #2 FOR REVISION.	25 APRIL 61	REV. PHE
J <sub>1</sub>		J <sub>1</sub>	(1) ITEM 22 WAS SM-B-343639	30 MAR 61	REV. PHE

E	MS35216-17	40	2	MS35216-17	SCREW,		FF-S-92	
	115130316-2-2	39	RECD	SMD-248984-19	TWINE, LACING		MIL-T-713	16, 17
C <sub>1</sub>	03511280-43-1	38	6	MS35216-43	SCREW		FF-S-92	12
		37	9	MS35338-80	WASHER		FF-W-84	
		36	5	MS35338-78	WASHER		FF-W-84	
E		35	4	MS35216-16	SCREW		FF-S-92	
		34	4	MS35216-12	SCREW		FF-S-92	
G <sub>1</sub>		33	9	MS25036-2	TERMINAL		MIL-T-792B	
F <sub>2</sub>	205110664-1	32	AS RECD		VARNISH			11
	115130316-11	31	AS RECD		LOCTITE			1
	572043	30	11	SMD-248984-16	NUT			24
	572822	29	3		NUT			24
	574851-7	28	8		WASHER			5
	305130663-39	27	AS RECD		WIRE #22		MIL-W-3861	6
	305130663-37	26	AS RECD		#18			6
	305130663-35	25	AS RECD	SM-D-248984-11	WIRE, #14		MIL-W-3861	6
		24	2	26Z5W	TUBE		MIL-E-1	
		23	2	TS103P01	SOCKET		MIL-S-12883	
J <sub>1</sub>	26N203116	22	2	MS24232-5	SHIELD			
	30513027-22-92	21	AS RECD	SM-D-248984-10	WIRE - WHT-RED		MIL-W-1687B	14
	30513027-22-91	20			WHT-BRN			14
	30513027-22-90	19			WHT-BLK			14
	30513025-18-96	18			WHT-BLU			13
	30513025-18-95	17			WHT-GRN			13
	30513025-18-93	16			WHT-ORN			13
	30513025-18-92	15			WHT-RED			13
	30513025-18-91	14			WHT-BRN			13
	30513025-18-90	13			WHT-BLK			13
	30513025-18-9	12	AS RECD	SM-D-248984-1	WIRE - WHT		MIL-W-1687B	13
		11	1	SM-C-283191	CONNECTOR - PLUG			
		10	1	SM-B-283187	BOARD-TERMINAL			
		9	6	SM-B-283175	SPRING-SLEEVE			
		8	2	SM-B-249251	TERMINAL-SOLDER			
	375130333-6-13	7	AS RECD	SM-D-248984-18	INSULATION, CLASS B-A-1, BLK #8		MIL-I-3190	8 & 15
	375130333-6-11	6	AS RECD	SM-D-248984-17	INSULATION, CLASS B-A-1, BLK #10		MIL-I-3190	8 & 15
		5	AS RECD	SM-C-249213-1	TUBING			9
		4	1	SM-D-248983	CHASSIS-POWER SUPPLY			
		3	AS RECD	SM-C-249213-3	TUBING			
		2	1	MS35216-13	SCREW		FF-S-92	
		1	1	SM-C-248798	TRANSFORMER			

SWE PART NO.	ITEM	REQD	PART NO.	DESCRIPTION	DATE	SCALE	NOY98
LIST OF MATERIAL							
				UNLESS OTHERWISE SPECIFIED	COLLINS RADIO CO.		
				DIMENSIONS ARE IN INCHES	CEDAR RAPIDS, IOWA		
				TOLERANCES ON FRACTIONS	14 214-PH-51-93		
				DECIMALS	SIGNAL CORPS		
				ANGLES	REVIEWED PHE		
				± 1/4 ± .005 ± 1°	DRAWN BY JENNETT		
					APPROVED HLY PHE		
					CHECKED BY PHE		
					DATE 28 DEC 55		
					SCALE 1/1		
					SHEET 1 OF 2		

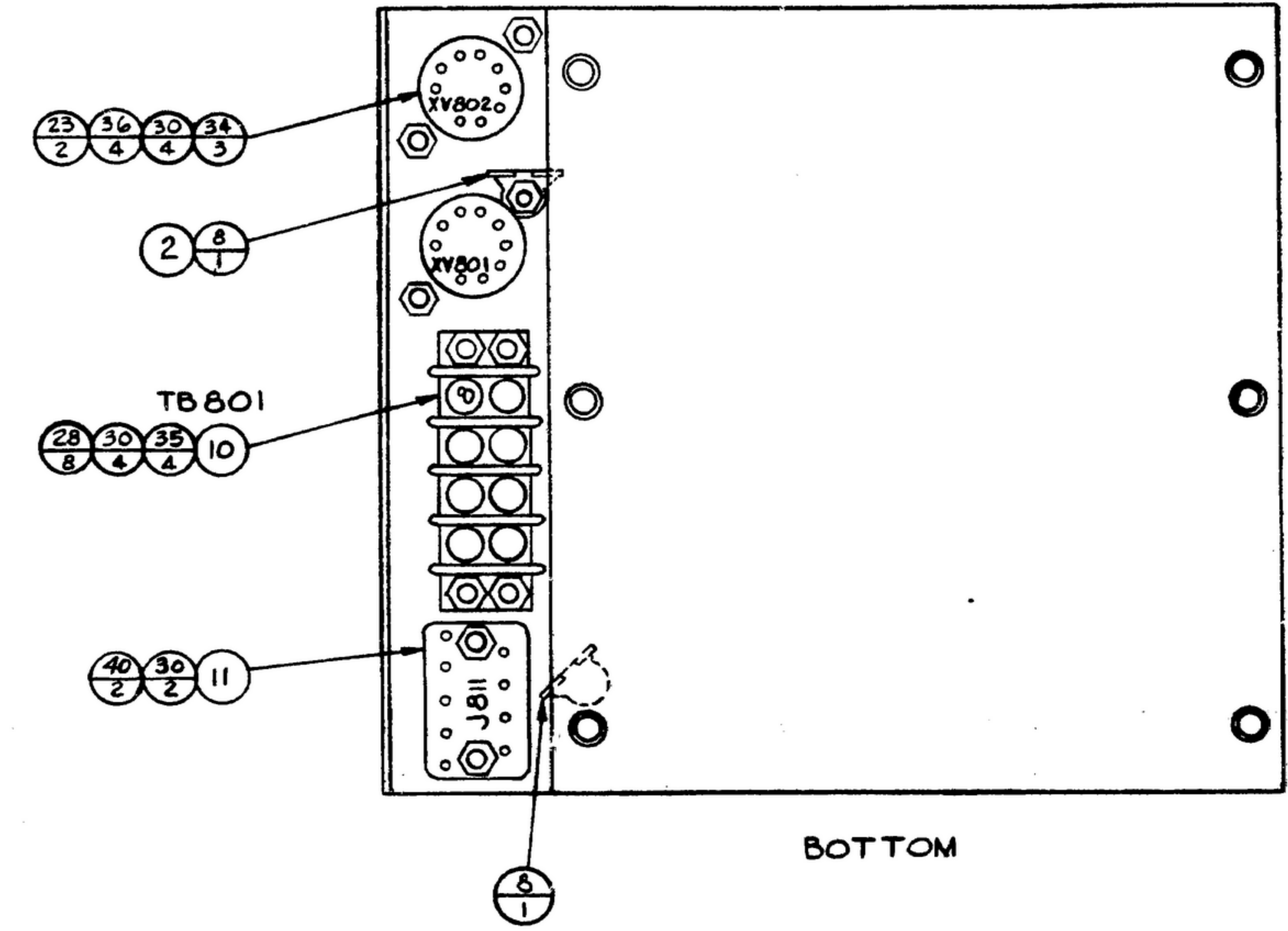
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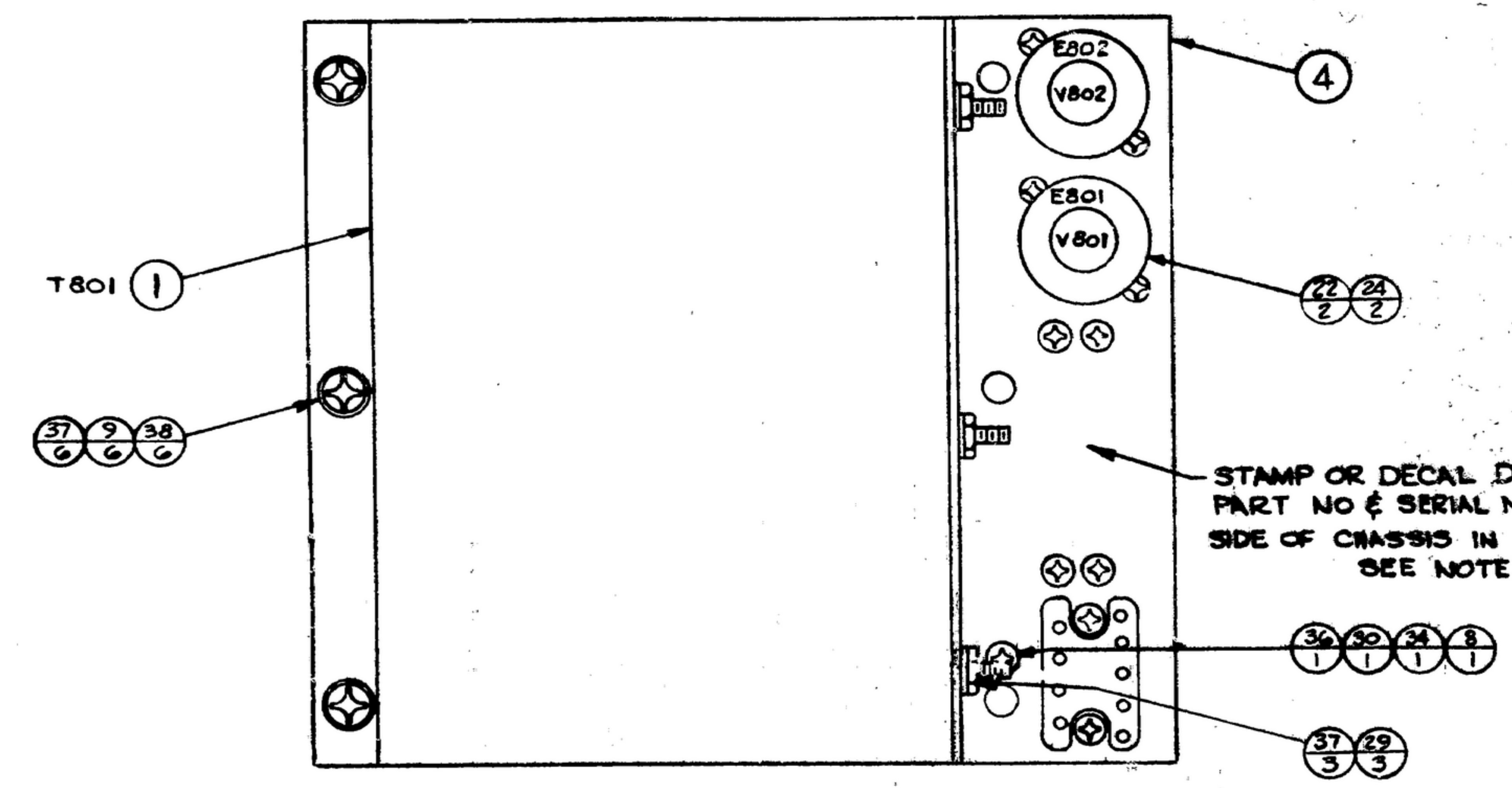
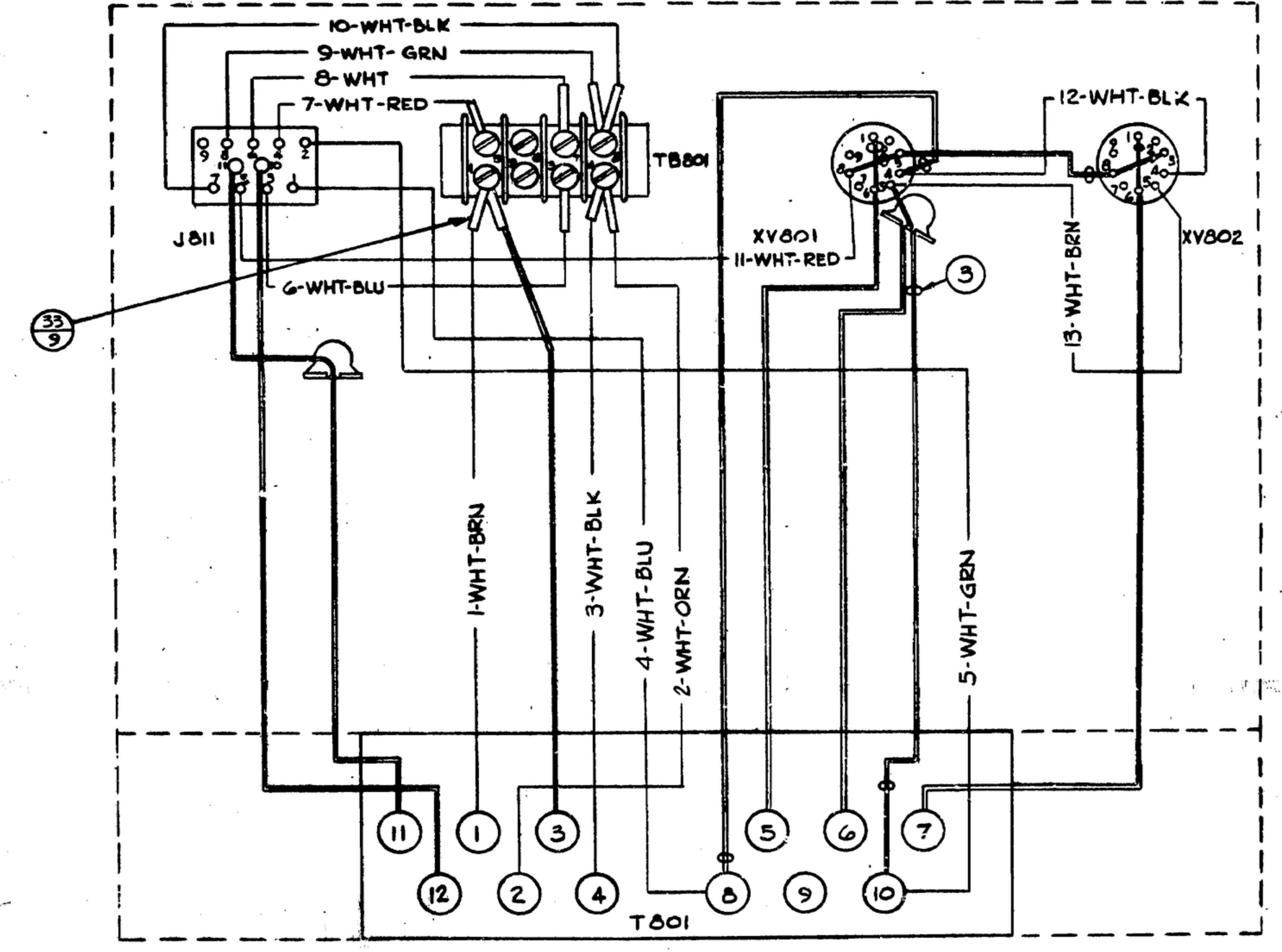
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K SWE APPROVAL		REVISIONS		
SYN	DESCRIPTION	DATE	APPROVAL	
B1	REVISED & REDRAWN, ADDED NOTE 2.	10 DEC 55	42428-PC-59	REV'D PME
C1	SEE SHEET 1 FOR REVISION	24 JUNE 60	42428-PC-59	REV'D
D1	SEE SHEET #1 FOR REVISION	24 AUG 60	42428-PC-59	REV'D PME
E3	CALLOUT 40 WAS 35 E2 SEE SHEET #1 FOR REVISION	14 OCT 60	42428-PC-59	REV'D PME
F	SEE SHEET #1 FOR REVISION	14 OCT 60	42428-PC-59	REV'D PME
G	SEE SHEET 1 FOR REVISION	1 FEB 61	42428-PC-59	REV'D
H	(1) ADDED "ORDER NO." TO MARKING NOTE	25 APRIL 61	42428-PC-59	REV'D PME
J1	(1) SEE SHEET 1 FOR REV	30 MAR 1965	42428-PC-59	REV'D PME



BOTTOM



TOP

STAMP OR DECAL DESCRIPTION, ORDER NO., PART NO & SERIAL NO. ON THIS SIDE OF CHASSIS IN THIS AREA SEE NOTE 11

REQD	PART NO.	DESCRIPTION	QTY	MATL SPEC	NOTES
LIST OF MATERIAL					
UNLESS OTHERWISE SPECIFIED			COLLINS RADIO CO.		
DIMENSIONS ARE IN INCHES			FEDERAL RADIO & TELEVISION CORP.		
TOLERANCES ON FRACTIONS DECIMALS ANGLES			142M-PH-SI-93		
± 1/64 ± .005 ± 1°			SERIAL CORPS		
DRAWN BY JEWETT			REVIEWED PME		
CHECKED BY [Signature]			APPROVED HLY		
DATE 28 DEC 55			SCALE 1/1		
SWE APPLICATION		APPLICATION		APPROVAL	

**POWER SUPPLY ASSEMBLY**

DEPARTMENT OF THE ARMY  
SIGNAL CORPS ENGINEERING  
LABORATORIES

FORT MONMOUTH NEW JERSEY

**SM-D-248984**

SHEET 2 OF 2