

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL

NOTE:
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NOTICE - WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY NOR ANY OBLIGATION WHATSOEVER; AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA IS NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

- NOTES:
- PART MAY BE SUPPLIED BY OAK MFG. CO., CHICAGO, ILLINOIS OR EQUAL.
 - .116 I.D. x .187 O.D. x .031 THK PHENOLIC LTS-E-1 PER MIL-P-79, TYPE PEM. SHALL BE FUNGUS RESISTANT OR TREATED WITH FUNGUS RESISTANT MATL PER MIL-V-173, TYPE I.
 - 7/16 O.D. x 3/16 I.D. MATL #1 INDIA MICA. THICKNESS OF WASHER AVERAGE WITH VARIATION .007 TO .025.
 - PART MAY BE SUPPLIED BY CENTRAL SCREW CO., CHICAGO, ILLINOIS OR EQUAL.
 - .125 I.D. x .312 O.D. x .027 THK. FINISH: E 300 PER MIL-F-14072.
 - .147 I.D. x .312 O.D. x .032 THK. FINISH: E 300 PER MIL-F-14072.
 - NO. 8 LARGE .172 I.D. x .437 O.D. x .036 THK. FINISH: E 300 PER MIL-F-14072.
 - .203 I.D. x .500 O.D. x .060 THK. FINISH: E 300 PER MIL-F-14072.
 - PART MAY BE 1/4 HEX. x 3/32 THK. DOUBLE CHAMFER, AS SUPPLIED BY PHEOLL MFG. CO., CHICAGO, ILLINOIS OR EQUAL. FINISH: E 300 PER MIL-F-14072.
 - 1/4 HEX. x 3/32 THK, DOUBLE CHAMFER. FINISH: E 300 PER MIL-F-14072.
 - 3/16 HEX. x 1/16 THK, DOUBLE CHAMFER. FINISH: E 300 PER MIL-F-14072.
 - PART MAY BE SUPPLIED BY PHEOLL MFG. CO., CHICAGO, ILLINOIS (PHILLIPS-CROSS-RECESSED) OR EQUAL.
 - 3-48 NC-2A x 1/4 LG., BRASS, PAN HEAD IN ACCORDANCE WITH BUREAU OF STANDARDS HANDBOOK H25.
 - PART MAY BE NO. 1220-02 INT. LOCK FOR 3/8 SCREW, 410 STEEL, .377/.391 I.D. x .507/.493 O.D. x .022 THK. AS SUPPLIED BY SHAKEPROOF INC., CHICAGO, ILLINOIS OR EQUAL.
 - LIQUID STAKE SCREWS (76, 66, 70, 72, 73, 75, 92) WITH VARNISH (69) #7526, SUPPLIED BY GENERAL ELECTRIC CORP., SCHENECTADY, NEW YORK OR EQUAL.
 - 6 FLUTE, 8-36 NF-2B x 3/16 LG, FINISH: M362A PER SPEC. MIL-F-14072.
 - SOLDER TERMINALS (33) TO BE PLACED NEAREST TOP OF CHASSIS ON BOTH SIDES OF SHIELD AS SHOWN.
 - LUBRICATE SHAFT BUSHING (21) WITH LUBRICANT (20) PER SPEC. MIL-L-7870.
 - SOLDER CENTER PIN OF TUBE SOCKET (53) TO SHIELD (4).
 - INSTALL SWITCH SHAFT WITH ALL ROTOR NOTCHES IN LINE.
 - REMOVE END PLAY WITH WASHERS (3).
 - ALL RETAINER RINGS TO BE ASSEMBLED WITH BURR SIDE AWAY FROM BEARING SURFACE.
 - DIMENSIONS SHOWN ON THIS DRAWING DEFINE LIMITS FOR INTERCHANGEABILITY GAGING AND ARE TO BE USED AS A BASIS FOR ACCEPTING OR REJECTION OF THE COMPLETE ASSEMBLY.
 - ALL SOFT SOLDER PER SPEC. MIL-S-6872 USING ROSIN CORE SOLDER PER SPEC. QQ-S-571 COMP. SN 60.
 - IN ALL SPLIT BALLOONS, TOP FIGURE IS MATERIAL LIST ITEM INDICATOR, AND BOTTOM FIGURE IS QUANTITY.
 - PART MAY BE SUPPLIED BY CENTRAL SCREW CO., CHICAGO, ILL. OR EQUAL.
 - COAT WITH VARNISH (88) PER SPEC. MIL-V-173, TYPE I. MARKINGS SHALL MEET THE REQUIREMENTS OF SPEC. MIL-M-13231.
 - FINISH: P213 PER SPEC. MIL-F-14072. FINAL PAINT FILM #14110 GLOSS ENAMEL PER SPEC. FED. STD #595 TO MEET THE APPLICABLE REQUIREMENTS OF SPEC. MIL-F-14072. PAINT THE ENTIRE HEAD (EXCLUDING UNDERSIDE).
 - ASSEMBLY SHALL BE WIRED ACCORDING TO WIRING ASSY. SM-E-249014 TO PROVIDE CIRCUIT AS SHOWN ON SCHEMATIC DIA. SM-J-249190.
 - FINISH: M352 PER SPEC. MIL-F-14072. SCREW SHALL BE GAGED WITH A CLASS 2 BASIC .GO RING AFTER PLATING.
 - PART MAY BE SUPPLIED BY SHAKEPROOF DIVISION OF ILLINOIS TOOL WORKS, ELGIN, ILL, PT. NO. 1504-00 OR EQUAL.

ITEM	REQD	PART NO.	DESCRIPTION	SPECIFICATION	NOTE
94	6	SM-D-505833-17	WASHER, EXT C'SINK #4		31
93	6	MS24693-C1	SCREW, FHM 4-40NC-2Ax 3/16	FF-S-92	
92	1	MS35216-11	SCREW	FF-S-92	15
91	A/R		SOLDER, SOFT		
90	1	SM-B-343627	CAPACITOR, VARIABLE		
89	3	MS35216-43	SCREW	FF-S-92	28
88	A/R		VARNISH		27
87	1	SM-D-505833-16	STUD, 6-32 NC-2A x 3/4 LG, CRES		26
86	4	SM-B-283228-2	CAPACITOR		
85					
84	1	SM-B-283268	SUPPORT-CAPACITOR		
83					
82					
81	8	MS35200-12	SCREW, FHM	FF-S-92	
80	3	MS35338-80	WASHER, LOCK	FF-W-84	
79	10	MS35338-79	WASHER, LOCK	FF-W-84	
78	71	MS35338-78	WASHER, LOCK	FF-W-84	
77	3	MS35216-23	SCREW, PHM	FF-S-92	
76	2	MS35216-16	SCREW, PHM	FF-S-92	15
75	4	MS35216-14	SCREW, PHM	FF-S-92	15
74	26	MS35216-13	SCREW, PHM	FF-S-92	
73	27	MS35216-12	SCREW, PHM	FF-S-92	15
72	4	MS35200-15	SCREW, FHM	FF-S-92	15
71	6	MS35200-13	SCREW	FF-S-92	
70	2	MS35200-1	SCREW, FHM	FF-S-92	15
69	A/R		VARNISH BLUE		15
68	4	SM-D-505833-15	WASHER		14
67	2	SM-D-505833-14	SCREW		12, 30
66	2	MS35216-19	SCREW, 4-40 NC-2A	FF-S-92	15
65	8	SM-D-	SCREW, OVAL, PT. SET, STEEL	ASAB133	16
64	3	MS25082-7	NUT, FLAT, 3/8-32 NEF-2B		
63	19	SM-D-505833-10	NUT, 4-40 NC-2B, CRES		4#11
62	9	SM-D-505833-9	NUT, 6-32 NC-2B, CRES		4#10
61	37	SM-D-505833-8	NUT, 4-40 NC-2B, CRES		9
60	1	SM-D-505833-7	WASHER, FLAT, NO. 10, CRES		4#8
59	1	SM-D-505833-6	WASHER, FLAT, NO. 8, CRES		4#7
58	3	SM-D-505833-5	WASHER, FLAT, NO. 6, CRES		4#6
57	7	SM-D-505833-4	WASHER, FLAT, NO. 4, CRES		4#5
56	4	SM-D-505833-3	WASHER, FLAT		1#3
55	18	SM-D-505833-2	WASHER ROUND, FLAT #8942		1#2
54	4	TS103PO1	SOCKET	MIL-S-12883	
53	6	TS102PO1	SOCKET	MIL-S-12883	19
52	1	RW30G4R0	RESISTOR	MIL-R-26	
51	1	SM-B-283236	CAPACITOR - FIXED		
50	1	SM-B-283228-1	CAPACITOR - VARIABLE		
49	1	SM-D-248863	FILTER - MECH.		
48	1	SM-D-248862	FILTER - MECH.		
47	1	SM-D-248861	FILTER - MECH.		
46	1	SM-D-248860	FILTER - MECH.		
45	1	RV2LAXSA101B	RESISTOR - VARIABLE	MIL-R-94	
44	1	RV2LAXSA103B	RESISTOR - VARIABLE	MIL-R-94	
43	3	SM-B-283178	CONNECTOR - RECEPT.		
42	3	SM-B-283175	SPRING - SLEEVE		
41	1	SM-B-283173	RING-RETAINER		22

ITEM	REQD	PART NO.	DESCRIPTION	SPECIFICATION	NOTE
40	1	MS16628-25	RING-RETAINER		22
39	2	SM-B-283167	NUT - LOCKING		
38	1	SM-B-283163	BOLT - SPADE		
37	2	SM-D-505833-1	WASHER, LOCK, SPLIT #3, CRES		
36	2	SM-B-249271	TERMINAL, INSULATED		
35	21	SM-B-249265	TERMINAL, INSULATED		
34	4	SM-B-249257	TERMINAL, SOLDER		
33	21	SM-B-249251	TERMINAL, SOLDER		17
32	1	SM-D-249239	TRANSFORMER, I.F.		
31	2	SM-D-249238	TRANSFORMER, I.F.		
30	1	SM-D-249237	COIL ASSY.		
29	2	SM-B-249233	SECTION, ROTARY SWITCH		
28	1	SM-C-249232	SECTION, ROTARY SWITCH		
27	1	SM-B-249227	DETENT, ROTARY SWITCH		21
26	4	SM-B-249226-2	SPACER, TUBULAR		
25	6	SM-B-249226-1	SPACER, TUBULAR		
24	2	SM-B-249219	INDUCTOR, R.F., TOROID		
23	1	SM-B-249199	BRACKET, CAPACITOR		
22	1	SM-B-249196	COUPLING, SHAFT		
21	1	SM-B-249194	BUSHING W/NUT		18
20	A/R		LUBRICANT		18
19	1	SM-C-249012	COVER, FILTER		
18	1	SM-C-505832	CHASSIS ASSY. - I.F.		
17	1	SM-B-249008	SHAFT, SWITCH		20
16	1	SM-B-249006	BRACKET ASSY.		
15	2	SM-B-249005	POST - I.F.		
14	1	SM-B-249004	BOARD ASSY., I.F.		
13	1	SM-B-249001	BOARD ASSY., I.F.		
12	1	SM-B-248998	SHAFT, B.F.O.		
11	1	SM-C-248996	BRACKET, I.F.		
10	1	SM-B-505829	SHIELD - I.F.		
9	1	SM-B-505831	SHIELD - I.F.		
8	1	SM-B-505830	SHIELD - I.F.		
7	1	SM-E-249014	WIRING ASSY.		29
6	1	SM-C-343625	7CU-3 TUNING UNIT		
5	1	SM-B-248828	POST TAPPED		
4	2	SM-B-248827	SHIELD, TUBE		19
3	4	SM-B-248823	WASHER		
2	1	SM-D-249234	TRANSFORMER, I.F.		
1	1	SM-B-178433	COUPLER		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES		ELECTRONIC ASSISTANCE CORPORATION LJ-6-00189(E) SIGNAL CORPS		DEPARTMENT OF THE ARMY U. S. ARMY SIGNAL MATERIEL SUPPORT AGENCY FORT MONMOUTH NEW JERSEY	
DRAWN P. GIAIMO		REVIEWED EC-2		MECHANICAL ASSY. - I.F.	
CHECKED D. SHAW		APPROVED EC-2 (AM)		SM-D-505833	
SM-C-343621	SG-DL-248775	ENG.	DATE 2/2/67	SCALE 1/1	CODE 80063 SHT. 1 OF 3
APPLICATION		APPROVED		WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL, IF ANY, AND DATE.	

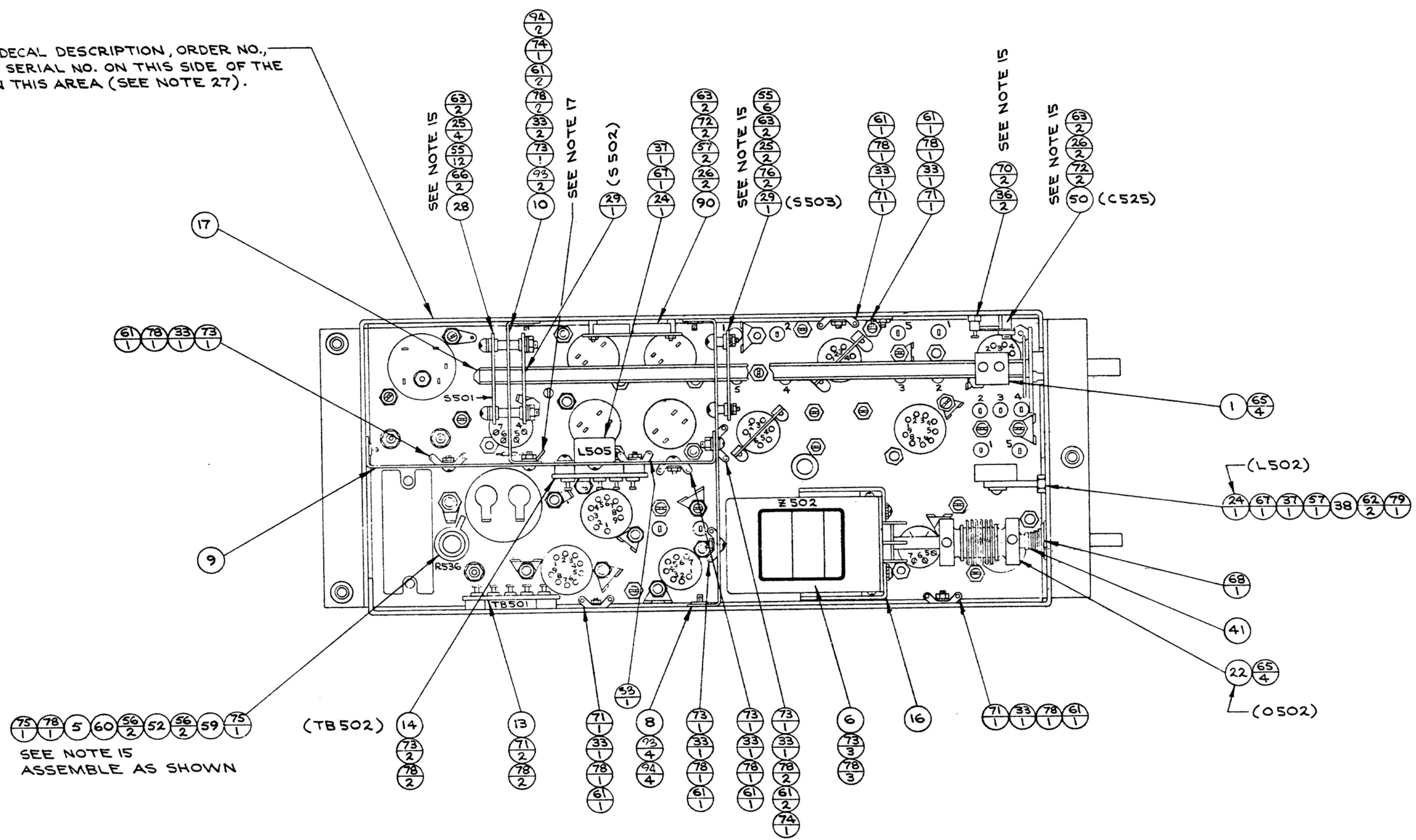
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* STAMP OR DECAL DESCRIPTION, ORDER NO., PART NO. & SERIAL NO. ON THIS SIDE OF THE CHASSIS IN THIS AREA (SEE NOTE 27).



75 78 5 60 56 52 56 59 75
1 1 2 2 2 2 1
SEE NOTE 15
ASSEMBLE AS SHOWN

REQD	PART NO.	DESCRIPTION	SPECIFICATION
LIST OF MATERIAL			
		MECHANICAL ASSY. - I.F.	DEPARTMENT OF THE ARMY U. S. ARMY SIGNAL MATERIEL SUPPORT AGENCY FORT MONMOUTH NEW JERSEY SM-D-505833
		ELECTRONIC ASSISTANCE CORPORATION W-6-001896 SIGNAL CORPS	APPROVED <i>EC-2 (Aunt)</i>
		DRAWN P. GIAIMO CHECKED DMSHUJ	
SM-C-345621	SC-DL-248775	ENG.	DATE 2/6/67
NEXT ASSY	USED ON	APPROVED	SCALE 1/1
APPLICATION		APPROVED	CODE 80063 SHT. 2 OF 3

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