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**INSTRUCTIONS FOR INSTALLATION OF
 RADIO SETS AN/GRC-9 OR SCR-694-C IN COMBINATION
 WITH RADIO SETS AN/GRC-3 TO 8, AN/VRQ-1 TO 3, AN/VRC-8
 TO 10, AN/VRC-16 TO 18, AN/PRC-8 TO 10, OR SCR-619
 IN TRUCK, 1/4 TON, 4X4, UTILITY, M38 & M38A1**

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FSN 7610-092-8850

I. RADIO EQUIPMENT:

- AN/GRC-9 or SCR-694-C
- AN/GRC-3 to 8
- AN/VRC-1 to 3
- AN/VRC-8 to 10
- AN/VRC-16 to 18
- AN/PRC-8 to 10
- SCR-619

II. EQUIPMENT REQUIRED:

a. AN/GRC-9 or SCR-694-C in Combination with AN/GRC-3 to 8, AN/VRQ-1 to 3, AN/VRC-8 to 10 or AN/VRC-16 to 18:

<u>Radio Set</u>	<u>Complete Equipment Stock No.</u>	<u>Basic Unit Stock No.</u>	<u>Basic Unit Voltage</u>	<u>Installation Unit Stock No.</u>
*AN/GRC-9	2S2501-9-V76	{ 2S2501-9 or 2S2501-9X }	6/12/24 24	2S12-9-V76-1/50
*SCR-694-C	2S694-V76	2S694/6-12-24	6/12/24	2S12-9-V76-1/50
*AN/GRC-3	2S12-3-V76	2S12-3/24	24	2S12-3-V76/50
*AN/GRC-4	2S12-4-V76	2S12-4/24	24	2S12-3-V76/50
*AN/GRC-5	2S12-5-V76	2S12-5/24	24	2S12-3-V76/50
*AN/GRC-6	2S12-6-V76	2S12-6/24	24	2S12-3-V76/50
*AN/GRC-7	2S12-7-V76	2S12-7/24	24	2S12-3-V76/50
*AN/GRC-8	2S12-8-V76	2S12-8/24	24	2S12-3-V76/50
*AN/VRQ-1	2S4505-1-V76	2S4505-1/24	24	2S12-3-V76/50
*AN/VRQ-2	2S4505-2-V76	2S4505-2/24	24	2S12-3-V76/50
*AN/VRQ-3	2S4505-3-V76	2S4505-3/24	24	2S12-3-V76/50
*AN/VRC-8		2S4502-8/24	24	
*AN/VRC-9		2S4502-9/24	24	
*AN/VRC-10		2S4502-10/24	24	

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 TO 10, AN/VRC-16 TO 18, AN/PRC-8 TO 10, OR SCR-619
 IN TRUCK, 1/4 TON, 4X4, UTILITY, M38 & M38A1

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II. EQUIPMENT REQUIRED: a. AN/GRC-9 or SCR-694-C in Comb with AN/GRC-3 to 8, AN/VRQ-1 to 3, AN/VRC-8 to 10 or AN/VRC-16 to 18: (Contd)

<u>Radio Set</u>	<u>Complete Equipment Stock No.</u>	<u>Basic Unit Stock No.</u>	<u>Basic Unit Voltage</u>	<u>Installation Unit Stock No.</u>
*AN/VRC-16	2S4502-16-V76	2S4502-16/24	24	2S4502-16-V76/5
*AN/VRC-17	2S4502-17-V76	2S4502-17/24	24	2S4502-16-V76/5
*AN/VRC-18	2S4502-18-V76	2S4502-18/24	24	2S4502-16-V76/5

b. AN/GRC-9 or SCR-694-C in Combination with AN/PRC-8 to 10:

*AN/GRC-9	2S2501-9-V76-1	{ 2S2501-9 or 2S2501-9X }	{ 6/12/24 24 }	2S12-9-V76/50
*SCR-694-C	2S694-V76-1	2S694-6-12-24	6/12/24	2S12-9-V76/50
*AN/PRC-8	2S3503-8-V76-1	2S3503-8	24	2S3503-8-V76-1/5
*AN/PRC-9	2S3503-9-V76-1	2S3503-9	24	2S3503-8-V76-1/5
*AN/PRC-10	2S3503-10-V76-1	2S3503-10	24	2S3503-8-V76-1/5

c. AN/GRC-9 or SCR-694-C in Combination with SCR-619:

*AN/GRC-9	2S2501-9-V76-1	{ 2S2501-9 or 2S2501-9X }	{ 6/12/24 24 }	2S2501-9-V76-1/50
*SCR-694-C	2S694-V76-1	2S694-6-12-24	6/12/24	2S12-9-V76-1/50
*SCR-619	2S619-V76-1	2S619/6-12-24	6/12/24	2S619-V76-1

*NOTE: For each of the combination radio installations, two (2) Radio Power Feed Kits, Ordnance Stock No. G758-5701808, (one for each radio set) must be requisitioned from Ordnance Corps and installed unless a Radio Power Feed Kit was previously installed in production of the truck or for prior radio installations, in which case only one additional kit is required. Trucks, 1/4 Ton, M38 Serial No. 47771 and lower were production-equipped with one Radio Power Feed Kit.

INSTRUCTIONS FOR INSTALLATION OF
 RADIO SETS AN/GRC-9 OR SCR-694-C IN COMBINATION
 WITH RADIO SETS AN/GRC-3 TO 8, AN/VRQ-1 TO 3, AN/VRC-8
 TO 10, AN/VRC-16 TO 18, AN/PRC-8 TO 10, OR SCR-619
 IN TRUCK, 1/4 TON, 4X4, UTILITY, M38 & M38A1

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III. INSTALLATION INSTRUCTIONS:

Perform all drilling in the vehicle and install the radio equipment as shown on the following drawings:

a. Radio Sets AN/GRC-9 or SCR-694-C Installed in Combination with Radio Sets AN/GRC-3 to 8, AN/VRQ-1 to 3, AN/VRC-8 to 10 or AN/VRC-16 to 18:

(1) Radio Sets AN/GRC-9 or SCR-694-C:

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-D-28629	Installation of Radio Sets AN/GRC-9 or SCR-694-C in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1 (Forward Location)
SC-D-28622	Installation of Radio Set AN/GRC-9 or SCR-694-C in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1 (Forward Location) Drilling Details
SC-B-28566	Assembly Instructions for Mast Base MP-65 (for Wire Lead-Ins Using a Binding Post Attachment)
SC-C-28597	Spacer
SC-C-28599	Spacer
SC-C-28642	Antenna Base AB-243/G Assembly
SC-B-75340	Reinforcement
SC-B-75341	Reinforcement
SC-B-28678	Mountings MT-298/GR, MT-297/GR Showing Power Cord Interconnection
SC-B-28550	Plug

(2) Radio Sets AN/GRC-3 to 8 or AN/VRQ-1 to 3:

(a) For Installation of Radio Sets AN/GRC-3 to 8 on Mounting FT-285:

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-D-28624	Installation of Radio Sets AN/VRQ-1 to 3 or AN/GRC-3 to 8 in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1 (on Mounting FT-285)

INSTRUCTIONS FOR INSTALLATION OF
 RADIO SETS AN/GRC-9 OR SCR-694-C IN COMBINATION
 WITH RADIO SETS AN/GRC-3 TO 8, AN/VRQ-1 TO 3, AN/VRC-8
 TO 10, AN/VRC-16 TO 18, AN/PRC-8 TO 10, OR SCR-619
 IN TRUCK, 1/4 TON, 4X4, UTILITY, M38 & M38A1

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III. INSTL INSTRS: a. Radio Sets AN/GRC-9 or SCR-694-C Installed in Comb with Radio Sets AN/GRC-3 to 8, AN/VRQ-1 to 3, AN/VRC-8 to 10 or AN/VRC-16 to 18: (Contd)

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-D-28623	Installation of Radio Sets AN/VRQ-1 to 3 or AN/GRC-3 to 8 in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1 (on Mounting FT-285) Drilling Details
SC-D-28625	Radio Sets AN/GRC-3 to 8 or AN/VRQ-1 to 3 in Combination with AN/GRC-9 or SCR-694-C Interconnection of Components
SC-B-28561	Assembly Instructions for Mast Base AB-15/GR (For leads using BNC connectors)
SC-C-28209	Preparation of Cable WM-46/U
SC-C-28185	Cable Preparation and Assembly of Waterproof Vehicle Terminal Box Plugs
SC-C-28591	Bracket Assembly
SC-C-28592	Bracket
SC-D-75366	Antenna Support AB-449/G
SC-D-75367	Antenna Support
SC-B-28602	Angle
SC-B-28603	Angle
SC-B-75395	Reinforcement
SC-B-75396	Reinforcement

(b) For Installation of Radio Sets AN/GRC-3 Thru 8 on Floor of Vehicle:

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-D-28679	Installation of Radio Sets AN/GRC-3 thru 8 and AN/VRC-16 thru 18 on floor of Truck, Utility, 1/4 Ton, 4X4, M38 & M38A1
SC-D-28680	Installation of Radio Sets AN/GRC-3 thru 8 and AN/VRC-16 thru 18 on floor of Truck, Utility, 1/4 Ton, 4X4, M38 & M38A1. Drilling Details

INSTRUCTIONS FOR INSTALLATION OF
 RADIO SETS AN/GRC-9 OR SCR-694-C IN COMBINATION
 WITH RADIO SETS AN/GRC-3 TO 8, AN/VRQ-1 TO 3, AN/VRC-8
 TO 10, AN/VRC-16 TO 18, AN/PBC-8 TO 10, OR SCR-619
 IN TRUCK, 1/4 TON, 4X4, UTILITY, M38 & M38A1

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III. INSTL INSTRS: 4. Radio Sets AN/GRC-9 or SCR-694-C Installed in Comb with Radio Sets AN/GRC-3 to 8, AN/VRQ-1 to 3, AN/VRC-8 to 10 or AN/VRC-16 to 18: (Contd)

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-B-28625	Radio Sets AN/GRC-3 to 8 or AN/VRQ-1 to 3 in Combination with AN/GRC-9 or SCR-694-C Interconnection of Components
SC-B-28561	Assembly Instructions for Mast Base AB-15/GR (for lead-ins using BNC connectors)
SC-C-28209	Preparation of Cable 46 -46/U
SC-C-28185	Cable Preparation and Assembly of Waterproof Vehicle Terminal Box Plugs
SC-C-28491	Bracket Assembly
SC-C-28592	Bracket
SC-D-75366	Antenna Support AB-449/G
SC-D-75367	Antenna Support
SC-B-75393	Reinforcement
SC-B-28779	Spacer
SC-D-75366	Antenna Support AB-449/G
SC-D-75367	Antenna Support

(3) Radio Sets AN/VRC-8 to 10:

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-D-75682	Installation of Radio Sets AN/VRC-8 to 10 for Combination in Truck, 1/4 Ton, 4X4, Utility, M38 & M38A1
SC-B-75683	Installation of Radio Sets AN/VRC-8 to 10 for Combination in Truck, 1/4 Ton, 4X4, Utility, M38 & M38A1. Drilling Details
SC-C-75008	Support Assembly Kit
SC-D-75009	Channel
SC-C-75010	Bracket

INSTRUCTIONS FOR INSTALLATION OF
 RADIO SETS AN/GRC-9 OR SCR-694-C IN COMBINATION
 WITH RADIO SETS AN/GRC-3 TO 8, AN/VRQ-1 TO 3, AN/VRC-8
 TO 10, AN/VRC-16 TO 18, AN/PRC-8 TO 10, OR SCR-619
 IN TRUCK, 1/4 TON, 4X4, UTILITY, M38 & M38A1

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111. INSTL INSTRS: a. Radio Sets AN/GRC-9 or SCR-694-C Installed in Comb with Radio Sets AN/GRC-3 to 8, AN/VRQ-1 to 3, AN/VRC-8 to 10 or AN/VRC-16 to 18: (Contd)

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-C-75011	Bracket
SC-B-75012	Reinforcement
**SC-B-75149	Spacer
SC-D-75244	Installation of Support Assembly Kit
SC-C-28185	Assembly of Waterproof Vehicle Terminal Box Plugs
SC-D-75366	Antenna Support AB-449/G
SC-D-75367	Antenna Support
SC-B-28561	Assembly Instructions for Mast Base AB-15/GR (for lead-ins using BNC connectors)

(4) Radio Set AN/VRC-16 to 18:

(a) For Installation of Radio Sets AN/VRC-16 to 18 on Floor of Vehicle:

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-D-28679	Installation of Radio Set AN/GRC-3 to 8 and AN/VRC-16 to 18 on floor of Truck, 1/4 Ton, 4X4, Utility, M38 & M38A1
SC-D-28680	Installation of Radio Sets AN/GRC-3 to 8 and AN/VRC-16 to 18 on floor of Truck, 1/4 Ton, 4X4, Utility, M38 & M38A1 (Drilling Details)
SC -B-28561	Assembly Instructions for Mast Base AB-15/GR (for lead-ins using BNC connectors)
SC-B-28185	Cable Preparation and Assembly of Waterproof Vehicle Terminal Box Plugs
SC-B-75393	Reinforcement
SC-B-28799	Spacer
SC-D-75366	Antenna Support AB-449/G
SC-D-75367	Antenna Support

**Used only in M38 Installation

INSTRUCTIONS FOR INSTALLATION OF
 RADIO SETS AN/GRC-9 OR SCR-694-C IN COMBINATION
 WITH RADIO SETS AN/GRC-3 TO 8, AN/VRQ-1 TO 3, AN/VRC-8
 TO 10, AN/VRC-16 TO 18, AN/PRC-8 TO 10, OR SCR-619
 IN TRUCK, 1/4 TON, 4X4, UTILITY, M38 & M38A1

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III. INSTL INSTRS: a. Radio Sets AN/GRC-9 or SCR-694-C Installed in Comb with Radio Sets AN/GRC-3 to 8, AN/VRQ-1 to 3, AN/VRC-8 to 10 or AN/VRC-16 to 18: (Contd)

For Installation of Radio Sets AN/VRC-16 to 18 on Mounting FT-285:

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-D-28674	Installation of Radio Sets AN/VRC-16 to 18 in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1 (on Mounting FT-285)
SC-D-28675	Installation of Radio Sets AN/VRC-16 to 18 in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1, Drilling Details (on Mounting FT-285)
SC-B-28561	Assembly Instructions for Mast Base AB-15/GR (for leads using BNC connectors)
SC-B-28185	Cable Preparation and Assembly of Waterproof Vehicle Terminal Box Plugs
SC-B-28602	Angle
SC-B-28603	Angle
SC-B-75395	Reinforcement
SC-B-75306	Reinforcement
SC-D-75366	Antenna Support AB-449/G
SC-D-75367	Antenna Support

b. Radio Sets AN/PRC-8 to 10 Installed in Combination with Radio Sets AN/GRC-9 or SCR-694-C:

(1) Radio Set AN/PRC-8 to 10:

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-D-28685	Radio Set AN/PRC-8 to 10 Installed with Radio Set AN/GRC-9 or SCR-694-C in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1

INSTRUCTIONS FOR INSTALLATION OF
 RADIO SETS AN/GRC-9 OR SCR-694-C IN COMBINATION
 WITH RADIO SETS AN/GRC-3 TO 8, AN/VRQ-1 TO 3, AN/VRC-8
 TO 10, AN/VRC-16 TO 18, AN/PRC-8 TO 10, OR SCR-619
 IN TRUCK, 1/4 TON, 4X4, UTILITY, M38 & M38A1

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III. INSTL INSTRS: b. Radio Sets AN/PRC-8 to 10 Installed in Comb with Radio Sets AN/GRC-9 or SCR-694-C: (Contd)

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-B-28686	Radio Set AN/PRC-8 to 10 with Radio Set AN/GRC-9 or SCR-694-C in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1, Drilling Details
SC-C-75366	Antenna Support AB-449/G
SC-C-75367	Antenna Support
SC-B-28561	Assembly Instructions for Mast Base AB-15/GR (for lead-ins Using BNC connectors)
SC-B-75332	Reinforcement
SC-C-28598	Spacer

(2) Radio Sets AN/GRC-9 or SCR-694-C:

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-D-28616	Installation of Radio Set AN/GRC-9 or SCR-694-C in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1 Rear Location
SC-D-28621	Installation of Radio Set AN/GRC-9 or SCR-694-C in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1, Drilling Details. Rear Location
SC-B-28566	Assembly Instructions for Mast Base MP-65 (for wire lead-ins using a Binding Post Attachment)
SC-B-28682	Vibrator Power Unit PE-237 Modification of Power Cord Connections
SC-B-75340	Reinforcement
SC-C-28597	Spacer
SC-B-75341	Reinforcement
SC-C-28599	Spacer
SC-C-28591	Bracket Assembly

INSTRUCTIONS FOR INSTALLATION OF
 RADIO SETS AN/GRC-9 OR SCR-694-C IN COMBINATION
 WITH RADIO SETS AN/GRC-3 TO 8, AN/VRQ-1 TO 3, AN/VRC-8
 TO 10, AN/VRC-16 TO 18, AN/PRC-8 TO 10, OR SCR-619
 IN TRUCK, 1/4 TON, 4X4, UTILITY, M38 & M38A1

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III. INSTL INSTRS: b. Radio Sets AN/PRC-8 to 10 Installed in Comb with Radio Sets AN/GRC-9 or SCR-694-C: (Contd)

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-C-28592	Bracket
SC-C-28372	Power Cord

c. Radio Set SCR-619 Installed in Combination with Radio Sets AN/GRC-9 or SCR-694-C:

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-D-28684	Installation of Radio Sets SCR-619 with Radio Set AN/GRC-9 or SCR-694-C in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1
SC-D-28683	Installation of Radio Sets AN/GRC-9 or SCR-694-C and Radio Set SCR-619 in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1
SC-C-28687	Radio Sets AN/GRC-9 or SCR-694-C and SCR-619 in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1, Drilling Details
SC-D-28642	Antenna Base AB-239/G Assembly
SC-C-28595	Spacer
SC-C-28594	Spacer
SC-B-28564	Assembly Instructions for Mast Base AB-15/GR (For Use with Radio Set SCR-619)
SC-B-28566	Assembly Instructions for Mast Base MP-65 (for Wire Lead-Ins Using a Binding Post Attachment)
SC-B-28681	Channel
SC-B-28682	Vibrator Power Unit PE-237 Modification of Power Cord Connections
SC-B-28635	Block
SC-C-28599	Spacer
SC-C-28591	Bracket Assembly
SC-C-28592	Bracket

INSTRUCTIONS FOR INSTALLATION OF
RADIO SETS AN/GRC-9 OR SCR-694-C IN COMBINATION
WITH RADIO SETS AN/GRC-3 TO 8, AN/VRQ-1 TO 3, AN/VRC-8
TO 10, AN/VRC-16 TO 18, AN/PRC-8 TO 10, OR SCR-619
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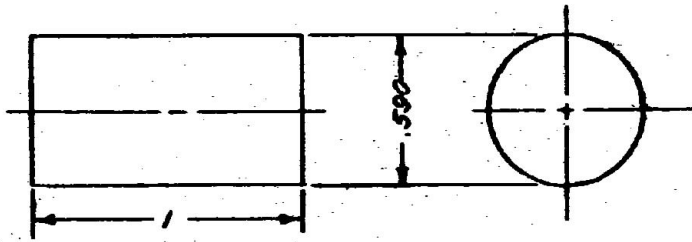
III. INSTL INSTRS: c. Radio Set SCR-619 Instled in Comb with Radio Sets AN/GRC-9 or SCR-694-C: (Contd)

<u>DRAWING NUMBER</u>	<u>TITLE</u>
SC-D-28372	Power Cord
SC-B-75340	Reinforcement
SC-B-75341	Reinforcement

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NEXT ASSEMBLY	-PART USED ON

REVISIONS		ORIGINAL ISSUE SYMBOL A 16 FEB 51	
SYM	DESCRIPTION	DATE	APPROVAL



SYNTHETIC RUBBER GRADE
 NO. RS409 FF PER SPEC MIL-R-3065
 ABBREVIATIONS ARE PER JAN-STD-12
 THIS DRAWING AND DRAWINGS, SPECIFICATIONS,
 AND PUBLICATIONS REFERENCED, AND THEIR
 SUBSIDIARIES, IF ANY CONSTITUTE ALL THE
 NECESSARY DATA RELATING TO DRAWINGS.

UNLESS OTHERWISE SPECIFIED	AUTHENTICATION
DIMENSIONS ARE IN INCHES	DRAWN <i>RUGLE</i>
TOLERANCES ON	TRACED <i>PHOTO</i>
FRACTIONS $\pm \frac{1}{16}$	CHECKED <i>JS</i>
DECIMALS $\pm .005$	VERIFIED <i>AB</i>
ANGLES \pm	APPROVED <i>JW</i>
COMMERCIAL TOLERANCES APPLY TO STOCK SIZES	REVIEWED <i>HMG</i>
ALL SURFACES <input checked="" type="checkbox"/>	DATE 16 FEB 51

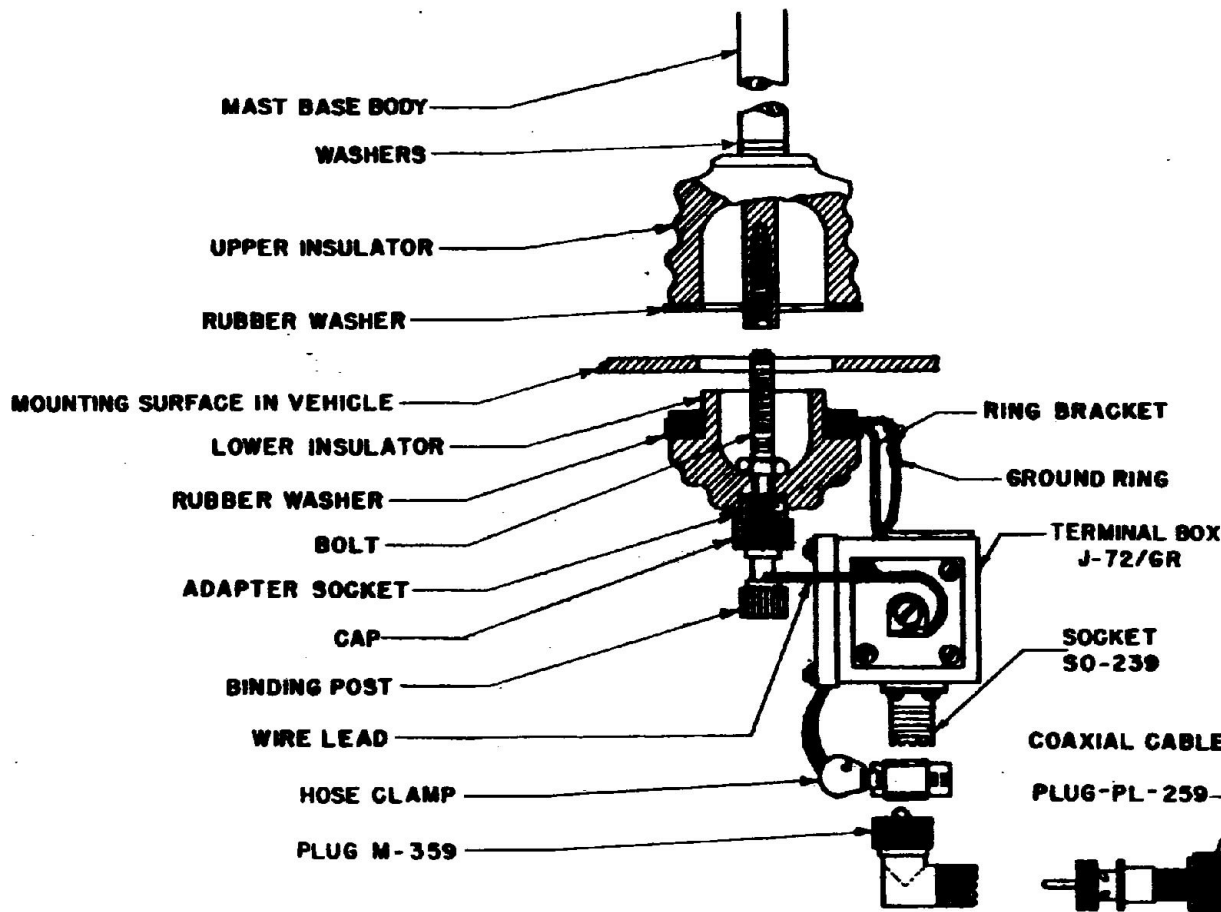
QTY	PART NO.	DESCRIPTION	DATE	QTY	NOTE
		PLUG			
		(SIG C STK NO.)			
		SCALE 2/1	FINISH		
			SC-B-28550		

DEPARTMENT OF THE ARMY
 SIGNAL CORPS ENGINEERING
 LABORATORIES

FORT MONMOUTH NEW JERSEY

NEXT ASSEMBLY	PREP-USED ON

REVISIONS	ORIGINAL ISSUE SYMBOL A	16 MAY 51
SYB	DESCRIPTION	DATE



ASSEMBLY INSTRUCTIONS:

1. PLACE ONE LARGE RUBBER WASHER AND THE UPPER INSULATOR OVER THE MOUNTING HOLE.
2. PLACE THE TWO SMALL WASHERS ON THE STEM OF THE MAST BASE BODY.
3. INSERT THE MAST BASE BODY INTO THE UPPER INSULATOR.
4. PLACE THE OTHER LARGE RUBBER WASHER ON THE LOWER INSULATOR.
5. PLACE THE RING BRACKET ON TOP OF THE LARGE WASHER AND THE GROUND RING ON TOP OF THE RING BRACKET.
6. INSERT THE LOWER INSULATOR INTO THE MOUNTING HOLE FROM UNDERNEATH.
7. ASSEMBLE THE MAST BASE BY HOLDING THE LOWER INSULATOR AND TURNING THE MAST BASE BODY UNTIL THE MAST BASE IS SECURE.

TO ATTACH ANTENNA LEAD-IN TO MAST BASE:

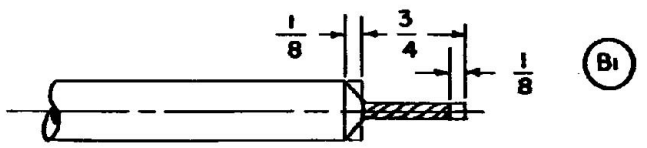
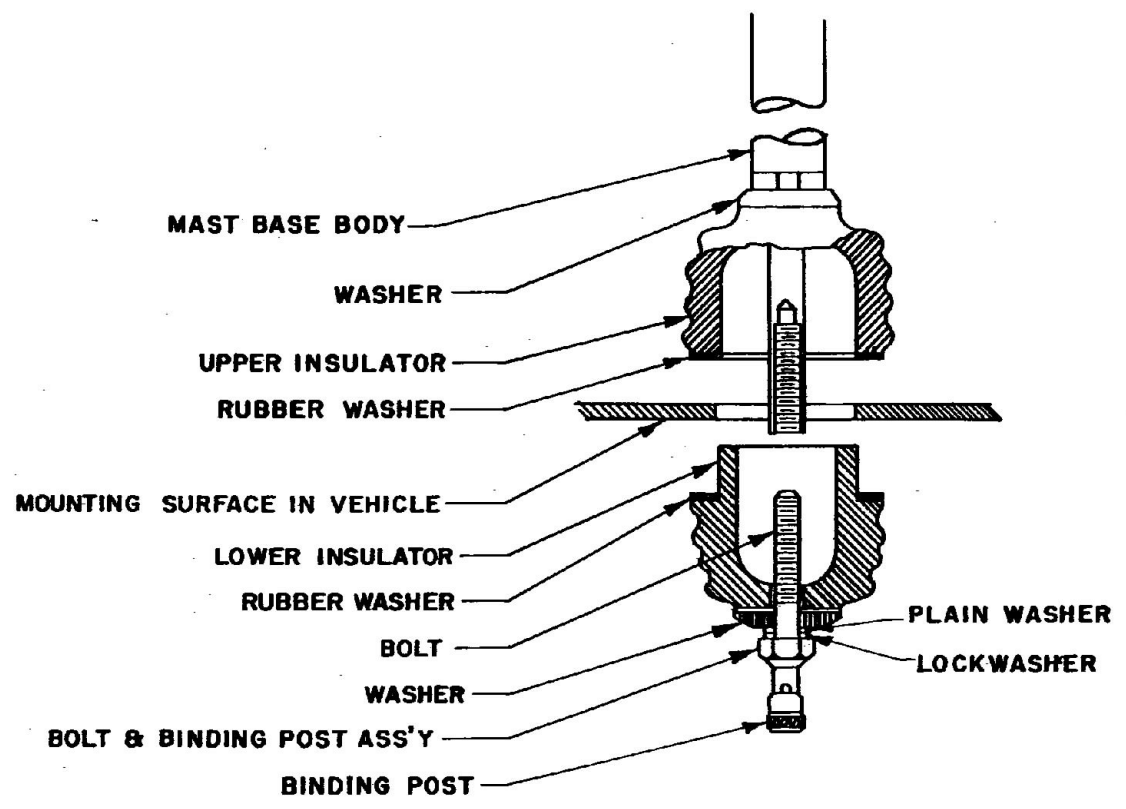
1. CONNECT THE WIRE FROM TERMINAL BOX J-72/GR TO THE BINDING POST ON THE LOWER INSULATOR.
2. PASS PLUG PL-259 ON THE ANTENNA LEAD-IN THRU THE HOSE CLAMP AND CONNECT IT TO THE SOCKET ON THE TERMINAL BOX.
3. TIGHTEN HOSE CLAMP ON PLUG PL-259.
4. IF A RIGHT ANGLE CONNECTOR IS DESIRED, ADAPTER M-359 MAY BE ATTACHED TO THE ADAPTER SOCKET AND PL-259 ATTACHED TO THE ADAPTER IN THE MANNER DESCRIBED.

QTY	PART NO.	DESCRIPTION	MATL.	SPEC.	NOTE
<p>UNLESS OTHERWISE SPECIFIED</p> <p>DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES ON</p> <p>FRACTIONS ± _____</p> <p>DECIMALS ± _____</p> <p>ANGLES ± _____</p> <p>COMMERCIAL TOLERANCES APPLY TO STOCK SIZES.</p> <p>ALL SURFACES ✓</p>					
<p>AUTHENTICATION,</p> <p>DRAWN KNUDSON</p> <p>TRACED DORSEY</p> <p>CHECKED ERICSON</p> <p>VERIFIED JCM</p> <p>APPROVED plc</p> <p>REVIEWED XX</p> <p>DATE 16 MAY 51</p>		<p>ASSEMBLY INSTRUCTIONS FOR</p> <p>MAST BASE AB-15/GR</p> <p>(FOR USE WITH</p> <p>RADIO SET SCR-619)</p>		<p>DEPARTMENT OF THE ARMY</p> <p>SIGNAL CORPS ENGINEERING</p> <p>LABORATORIES</p> <p>FORT MONMOUTH NEW JERSEY</p> <p>SC-B-28564</p>	
SCALE _____		FINISH _____			

THIS DRAWING IS THE PROPERTY OF THE ARMY. IT IS TO BE KEPT IN THE ORIGINAL ISSUE SYMBOL A 5 MAR 51. IT IS TO BE RETURNED TO THE OFFICE OF ORIGIN UPON REQUEST. IT IS TO BE KEPT IN THE ORIGINAL ISSUE SYMBOL A 5 MAR 51. IT IS TO BE RETURNED TO THE OFFICE OF ORIGIN UPON REQUEST. IT IS TO BE KEPT IN THE ORIGINAL ISSUE SYMBOL A 5 MAR 51. IT IS TO BE RETURNED TO THE OFFICE OF ORIGIN UPON REQUEST.

NAME OF ASSEMBLY	FIGURE USED ON

ISSUE SYMBOL	DESCRIPTION	DATE	APPROVAL
B	B, ADDED	15 OCT 56	<i>H. G. AND J. C.</i>



WIRE LEAD-IN PREPARATION DETAIL

- STEP 1 CUT INSULATION BACK $\frac{3}{4}$; TAPER BACK $\frac{1}{8}$.
- STEP 2 TIN THE END OF WIRE LEAD-IN TO A DEPTH NOT TO EXCEED $\frac{1}{8}$.

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON
 FRACTIONS ±
 DECIMALS ±
 ANGLES ±
 COMMERCIAL TOLERANCES
 APPLY TO STOCK SIZES.
 ALL SURFACES

DEPT	PART NO.	DESCRIPTION	DATE	SPEC	NOTE
AUTHENTICATION DRAWN KNUDSON CHECKED ERRICKSON VERIFIED SCM APPROVED <i>[Signature]</i> REVIEWED XX DATE 5 MAR 51		ASSEMBLY INSTRUCTIONS FOR MAST BASE MP-65-() (FOR WIRE LEAD-INS USING A BINDING POST ATTACHMENT)		DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY SC-B-28566	

ASSEMBLY INSTRUCTIONS

1. PLACE ONE LARGE RUBBER WASHER AND THE UPPER INSULATOR OVER THE MOUNTING HOLE.
2. PLACE THE SMALL PLASTIC WASHER ON THE STEM OF THE MAST BASE BODY.
3. INSERT THE MAST BASE BODY INTO THE HOLE IN THE UPPER INSULATOR.
4. PLACE THE OTHER LARGE RUBBER WASHER ON THE LOWER INSULATOR.
5. THE GROUND RING, STRAP, AND HOSE CLAMP ARE NOT REQUIRED FOR WIRE LEAD-INS.
6. INSERT THE LOWER INSULATOR INTO THE MOUNTING HOLE FROM UNDERNEATH.
7. ASSEMBLE THE MAST BASE BY HOLDING THE LOWER INSULATOR AND TURNING THE MAST BASE BODY UNTIL THE MAST BASE IS SECURE.

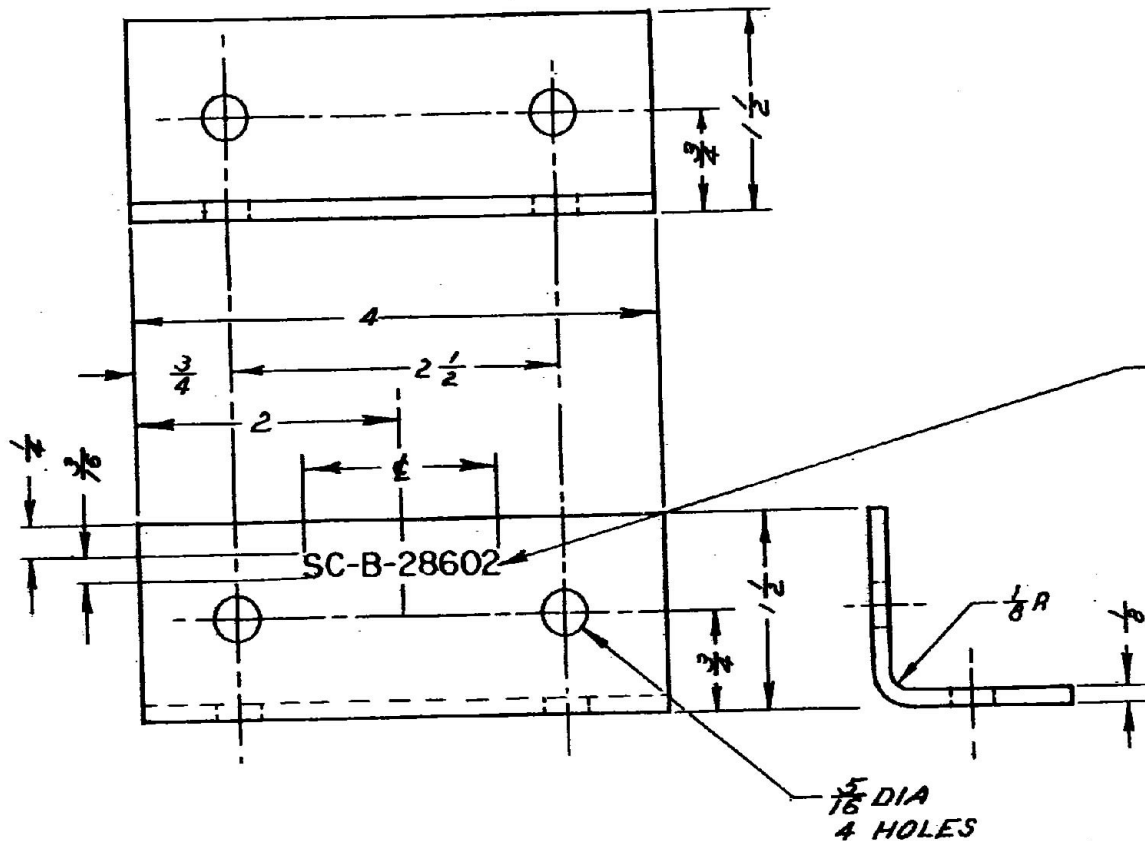
TO ATTACH ANTENNA LEAD-IN TO MAST BASE

1. TIN THE END OF THE WIRE LEAD-IN PER DETAIL AND ATTACH IT TO THE BINDING POST ON THE LOWER INSULATOR.

NOTES: THIS DRAWING, DIMENSIONS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN AS
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 PARTICULAR PURPOSE, OR TO THE MERCHANTABILITY OF THE INFORMATION HEREON FOR ANY PURPOSE, OR TO THE
 ACCURACY OF THE INFORMATION OR TO THE MERCHANTABILITY OF THE INFORMATION HEREON FOR ANY PURPOSE, OR TO THE
 ACCURACY OF THE INFORMATION OR TO THE MERCHANTABILITY OF THE INFORMATION HEREON FOR ANY PURPOSE.

NEXT ASSEMBLY	NUMBER USED ON

REVISIONS	ORIGINAL ISSUE SYMBOL A10 APRIL 51		
SYM	DESCRIPTION	DATE	APPROVAL



METAL STAMP, OR RUBBER STAMP IN A PERMANENT YELLOW, CHARACTERS AND MARKINGS TO MEET THE TEST REQUIREMENTS OF SPEC 71-4944.

SC-B-28602

5/16 DIA
4 HOLES

ABBREVIATIONS ARE PER JAN-STD-12.
 STEEL, CLASS A PER SPEC 57-114-1.
 REMOVE ALL BURRS.
 FINISH PER SPEC 72-53, TABLE I, TYPE I, COLOR CONFORMING TO #2430 PER SPEC TT-C-595.
 THIS DRAWING AND DRAWINGS, SPECIFICATIONS AND PUBLICATIONS REFERENCED, AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS.

EXHIBIT II O

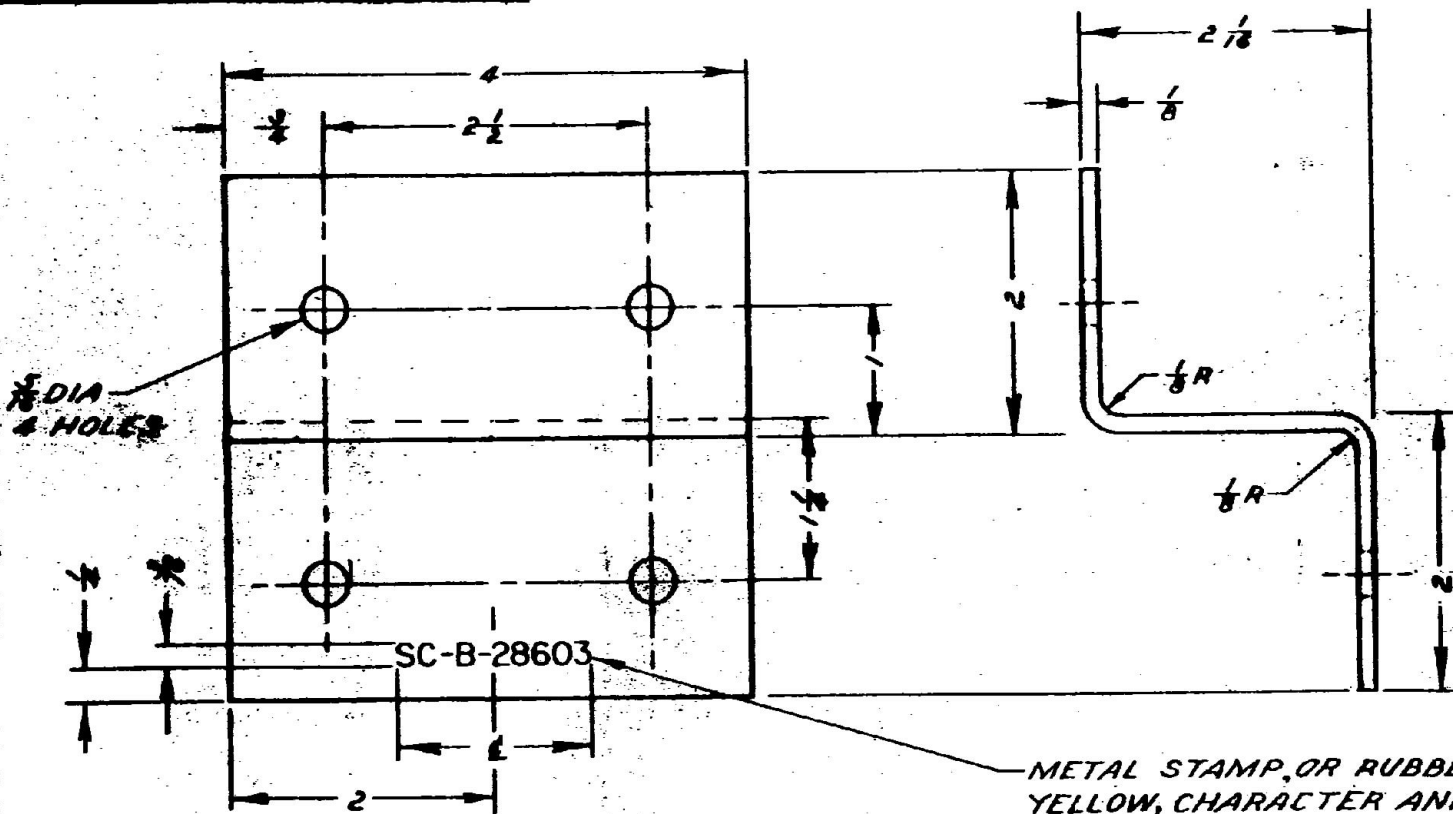
UNLESS OTHERWISE SPECIFIED	AUTHENTICATION	ANGLE (SIG C STK NO.)	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY
DIMENSIONS ARE IN INCHES	DRAWN SHIELDS		
TOLERANCES ON FRACTIONS ± 1/4	TRACED		
DECIMALS ±	CHECKED AB		
ANGLES ±	VERIFIED CK		
COMMERCIAL TOLERANCES APPLY TO STOCK SIZES.	APPROVED		
ALL SURFACES ✓	REVIEWED	SCALE 1/1	FINISH
	DATE 10 APRIL 51	SC-B-28602	

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL AND DATE

UNLESS OTHERWISE SPECIFIED, DIMENSIONS, OR OTHER DATA ARE GIVEN FOR ALL PARTS FROM THIS SET OF DRAWINGS TO A STANDARD INDUSTRIAL PRACTICE OR SPECIFICATION, THE UNITED STATES GOVERNMENT MAKES NO REPRESENTATION AS TO THE ACCURACY OF THE INFORMATION CONTAINED HEREIN, AND IS NOT TO BE USED IN CONNECTION WITH ANY CONTRACT, SPECIFICATION, OR OTHER DOCUMENT, OR IN CONNECTION WITH ANY OPERATION OR OPERATION AT ANY TIME, UNLESS IT IS SPECIFICALLY REFERENCED AS SUCH IN WRITING BY THE NAME OF THE GOVERNMENT OR OTHERWISE, OR UNLESS THE GOVERNMENT IS OTHERWISE SPECIFICALLY REFERENCED AS SUCH IN WRITING BY THE NAME OF THE GOVERNMENT OR OTHERWISE, OR UNLESS THE GOVERNMENT IS OTHERWISE SPECIFICALLY REFERENCED AS SUCH IN WRITING BY THE NAME OF THE GOVERNMENT OR OTHERWISE.

NEXT ASSEMBLY	TOOLS USED ON

REVISIONS		ORIGINAL ISSUE SYMBOL A 11 APRIL 51	
SYN	DESCRIPTION	DATE	APPROVAL



METAL STAMP, OR RUBBER STAMP IN A PERMANENT YELLOW, CHARACTER AND MARKINGS TO MEET THE TEST REQUIREMENTS OF SPEC 71-4944.

STEEL, CLASS A PER SPEC 57-114-1.
 REMOVE ALL BURRS.
 FINISH PER SPEC 72-53, TABLE I, TYPE I,
 COLOR CONFORMING TO #2430 PER SPEC TT-C-595.
 THIS DRAWING AND DRAWINGS, SPECIFICATIONS
 AND PUBLICATIONS REFERENCED AND THEIR
 SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE
 NECESSARY DATA RELATING TO DRAWINGS.
 ABBREVIATIONS ARE PER JAN-STD-12.

EXHIBIT II P

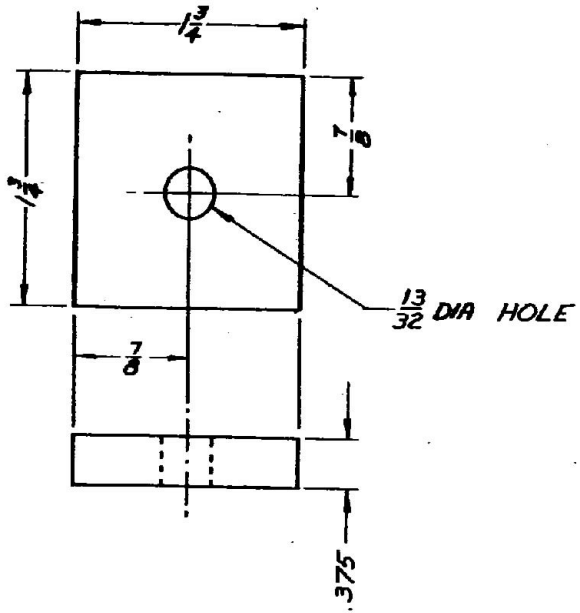
UNLESS OTHERWISE SPECIFIED	AUTHENTICATION	REVISIONS	PART NO.	DESCRIPTION	MATL.	SPEC.	NOTE
DIMENSIONS ARE IN INCHES	DRAWN SHIELDS	ANGLE (SIG C STK NO.)					
TOLERANCES ON FRACTIONS ± 1/64	TRACED						
DECIMALS ± 0.005	CHECKED AB						
ANGLES ±	VERIFIED UK						
COMMERCIAL TOLERANCES APPLY TO STOCK SIZES.	APPROVED						
ALL SURFACES ✓	REVIEWED						
	DATE 11 APR 51	SCALE 1/1	FINISH	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY SC-B-28603			

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL AND DATE

UNLESS OTHERWISE SPECIFIED, DIMENSIONS, FINISHES, OR OTHER DATA ARE TO BE FOR ALL PARTS UNLESS SHOWN IN OTHERWISE TO BE A DIFFERENT TYPE. DIMENSIONS ARE TO BE TAKEN FROM THE UNFINISHED SURFACE UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE TO BE TAKEN FROM THE UNFINISHED SURFACE UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE TO BE TAKEN FROM THE UNFINISHED SURFACE UNLESS OTHERWISE SPECIFIED.

NEXT ASSEMBLY	FIRST USED ON

REVISIONS		ORIGINAL ISSUE SYMBOL A 29 MAR. 51	
SYM	DESCRIPTION	DATE	APPROVAL



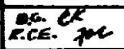
STEEL, CLASS A PER SPEC 57-114-1.
 REMOVE ALL BURRS.
 FINISH PER SPEC 72-53, TABLE I, TYPE I, COLOR CONFORMING TO *2430 PER SPEC TT-C-595.
 ABBREVIATIONS ARE PER JAN-STD-12.
 THIS DRAWING AND DRAWINGS, SPECIFICATIONS AND PUBLICATIONS REFERENCED, AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS.

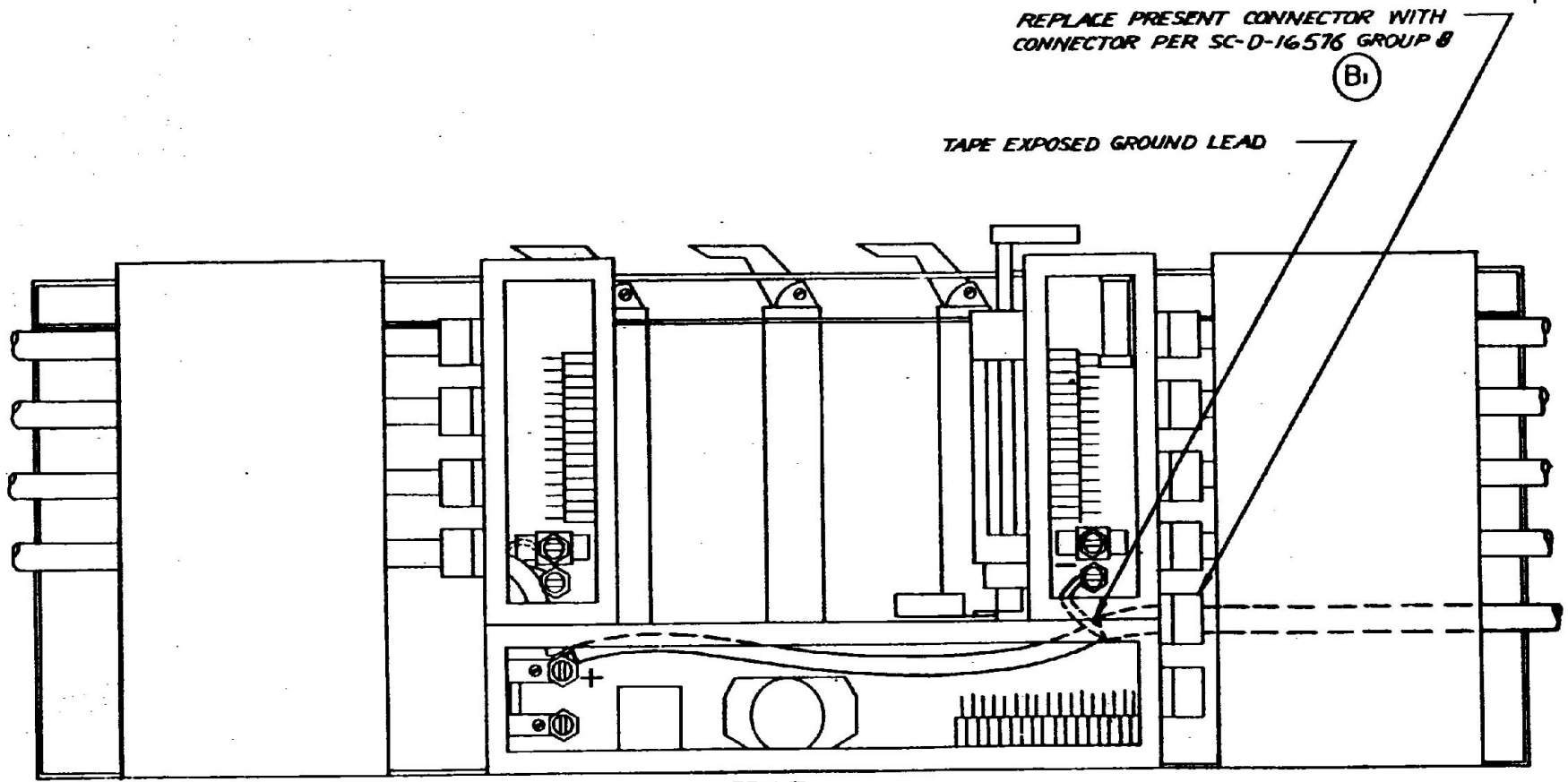
UNLESS OTHERWISE SPECIFIED	AUTHENTICATION	REQD	PART NO.	DESCRIPTION	MATL	SPEC	NOTE
DIMENSIONS ARE IN INCHES	DRAWN R. KOLB			BLOCK			DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY
TOLERANCES ON FRACTIONS ± 1/64	TRACED				(SIG C STK NO.)		
DECIMALS ± .005	CHECKED [Signature]				SCALE 1/1	FINISH	
ANGLES ±	VERIFIED [Signature]						
COMMERCIAL TOLERANCES APPLY TO STOCK SIZES.	APPROVED						
ALL SURFACES ✓	REVIEWED						SC-B-28635
	DATE 29 MAR 51						

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL AND DATE

FIG. 1: THIS DRAWING SHOWS, SEPARATELY, AS WELL AS THE WAY THE PARTS ARE TO BE ASSEMBLED TOGETHER IN ORDER TO BE A COMPLETELY RELIABLE OPERATIONAL UNIT. THE DRAWING SHOWS THE PARTS AS THEY ARE TO BE ASSEMBLED AND NOT AS THEY ARE TO BE MANUFACTURED. THE PARTS ARE TO BE MANUFACTURED TO THE DIMENSIONS AND TOLERANCES SPECIFIED IN THE DRAWING AND NOT TO THE DIMENSIONS AND TOLERANCES SPECIFIED IN THE DRAWING. THE PARTS ARE TO BE MANUFACTURED TO THE DIMENSIONS AND TOLERANCES SPECIFIED IN THE DRAWING AND NOT TO THE DIMENSIONS AND TOLERANCES SPECIFIED IN THE DRAWING.

NEXT ASSEMBLY	FIRST-USED ON

REVISIONS		ORIGINAL ISSUE SYMBOL A 18 MAY 1951		
SYM	DESCRIPTION	DATE	APPROVAL	REVISED
B2	B1 WAS SC-C-28203. B2 TITLE REVISED	11 JAN 52	 R.C.E.	-XX-



FRONT
UNDER SIDE EXPOSED

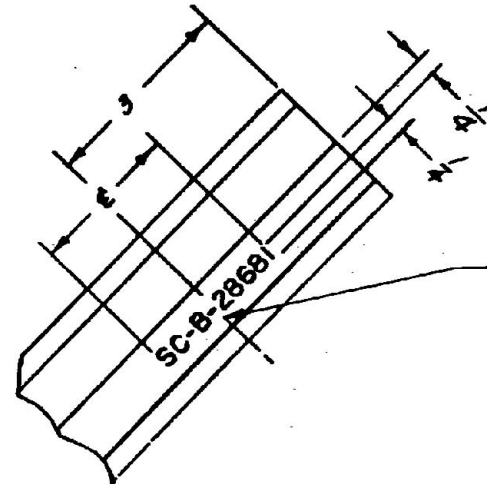
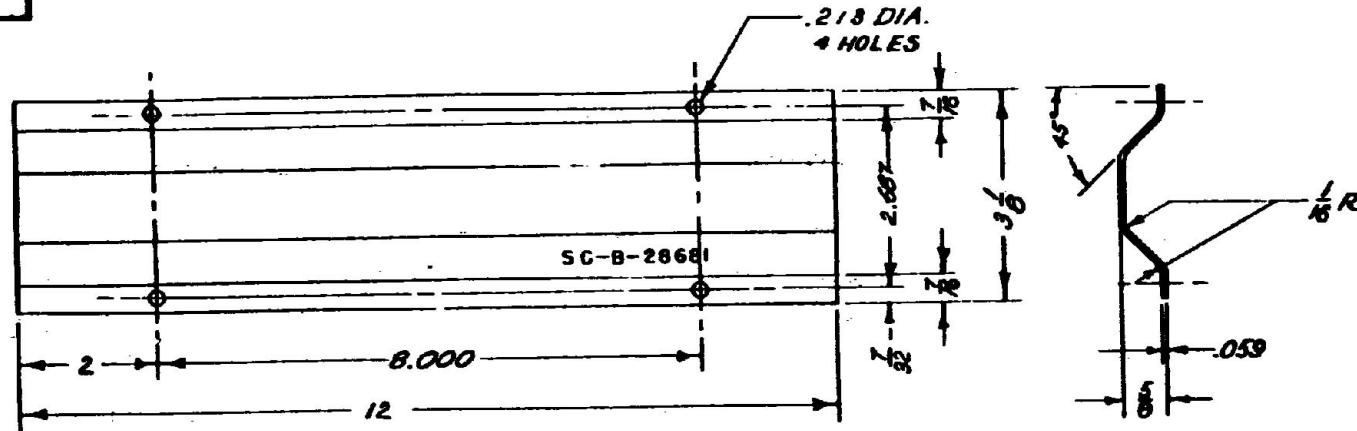
B2

REQD	PART NO.	DESCRIPTION	DATE	QUANTITY	REVISION
UNLESS OTHERWISE SPECIFIED		AUTHENTICATION		MOUNTING MT-297/GR, MT-298/GR SHOWING POWER CORD INTERCONNECTION	
DIMENSIONS ARE IN INCHES		DRAWN <i>RUGLE</i>			
TOLERANCES ON		TRACED PHOTO			
FRACTIONS ±		CHECKED <i>R</i>			
DECIMALS ±		VERIFIED <i>R</i>			
ANGLES ±		APPROVED <i>pc</i>			
COMMERCIAL TOLERANCES		REVIEWED <i>-XX-</i>		SCALE	
APPLY TO STOCK SIZES.		DATE MAY 18-51		FINISH	
ALL SURFACES ✓					
DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES			PORT MONMOUTH NEW JERSEY		
SC-B-28678					

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NEXT ASSEMBLY	FIRST USED ON

REVISIONS		ORIGINAL ISSUE SYMBOL A 18 JAN 52	
SYM	DESCRIPTION	DATE	APPROVAL



METAL STAMP, OR RUBBER STAMP IN A PERMANENT YELLOW, CHARACTERS AND MARKINGS TO MEET THE TEST REQUIREMENTS OF SPEC 71-4944.

STEEL, HOT ROLLED, AS ANNEALED CONDITION, AND ANNEALED FINISH, PER SPEC QQ-S-636.
 REMOVE ALL BURRS.
 FINISH PER SPEC 72-59, TABLE I, TYPE I, COLOR CONFORMING TO #2430.

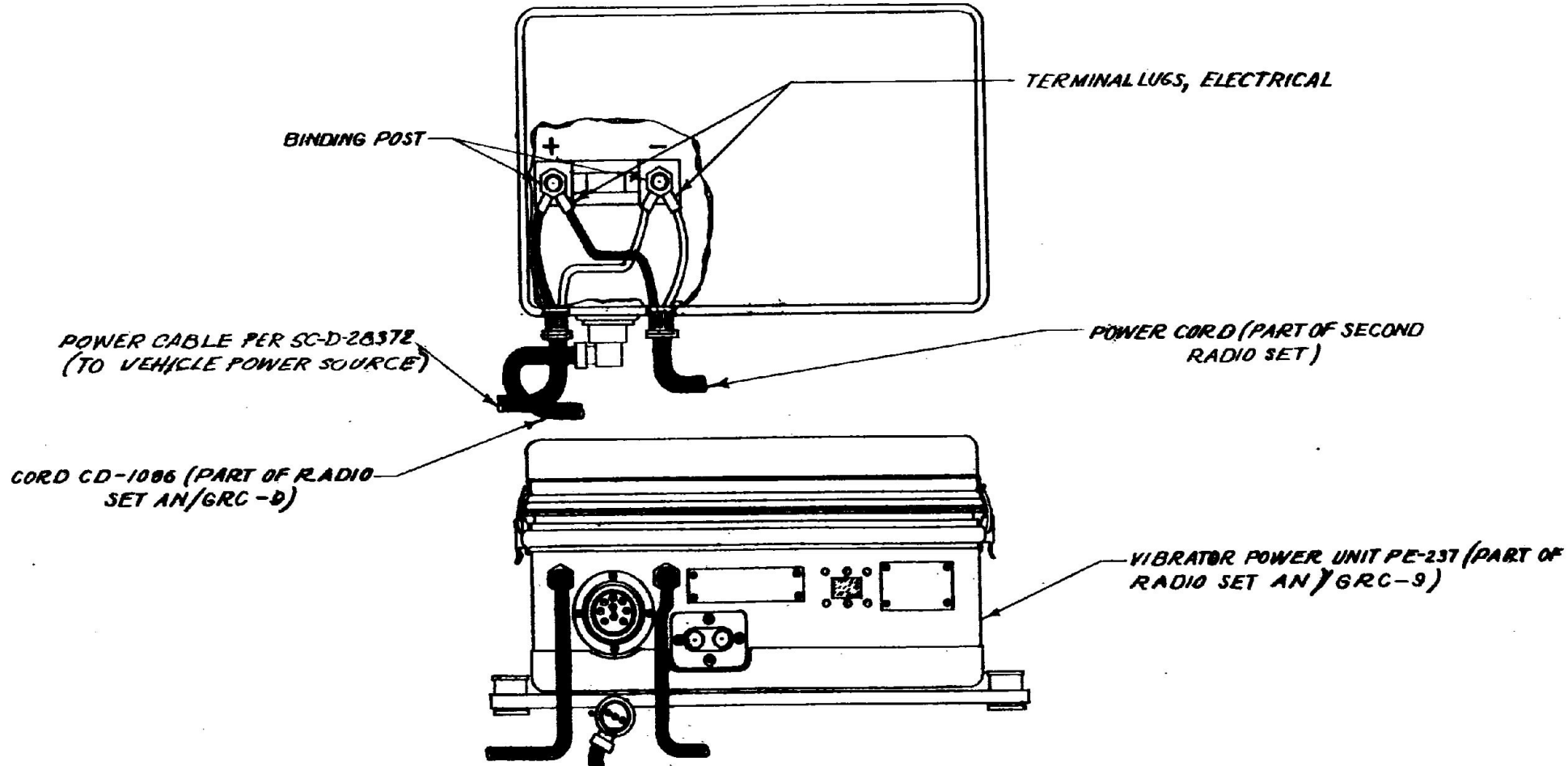
ABBREVIATIONS ARE PER JAN-STD-12.
 THIS DRAWING AND DRAWINGS, SPECIFICATIONS AND PUBLICATIONS REFERENCED, AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS.

UNLESS OTHERWISE SPECIFIED	RECD	PART NO.	DESCRIPTION	MATL	SPEC	NOTE
DIMENSIONS ARE IN INCHES	AUTHENTICATION					
TOLERANCES ON FRACTIONS $\pm \frac{1}{64}$	DRAWN DORSEY					
DECIMALS $\pm .005$	TRACED PHOTO					
ANGLES $\pm 1^{\circ}0'$	CHECKED JB					
COMMERCIAL TOLERANCES APPLY TO STOCK SIZES.	VERIFIED WP					
ALL SURFACES <input checked="" type="checkbox"/>	APPROVED JP					
	REVIEWED HMG					
	DATE 18 JAN 52					
	SCALE 1/2		FINISH		DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES	
	CHANNEL (SIG C STK NO.)				PORT MONMOUTH NEW JERSEY	
	SC-B-28681					

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NEXT ASSEMBLY	FIRST USED ON

REVISIONS		ORIGINAL ISSUE SYMBOL A 14 JAN 52	
SYM	DESCRIPTION	DATE	APPROVAL



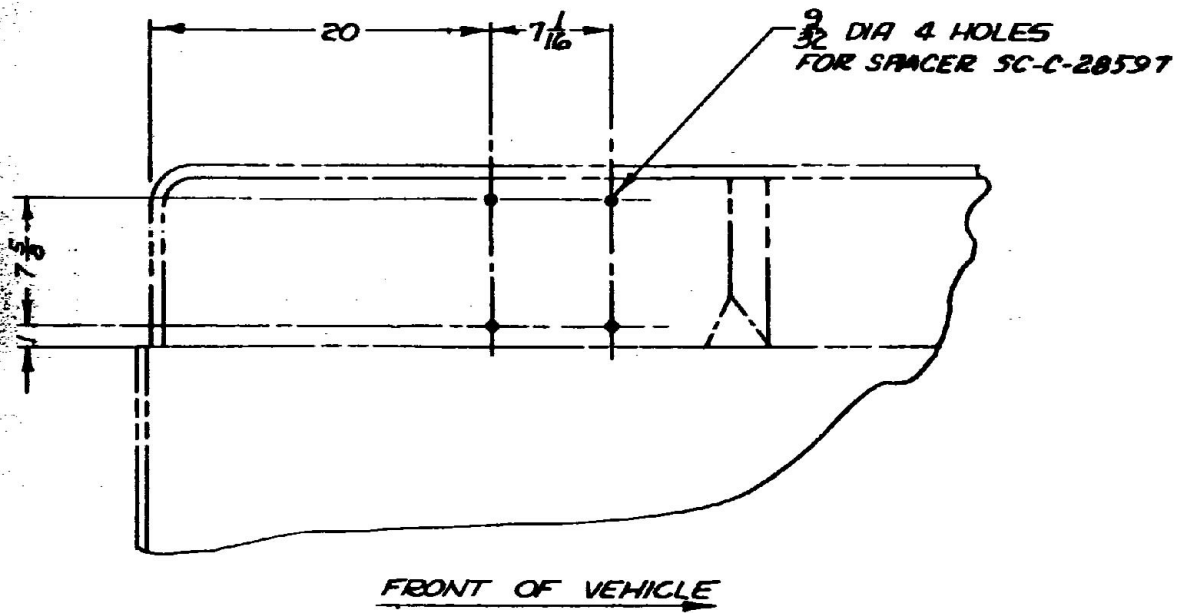
UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON
 FRACTIONS ± _____
 DECIMALS ± _____
 ANGLES ± _____
 COMMERCIAL TOLERANCES
 APPLY TO STOCK SIZES.
 ALL SURFACES ✓

REQD	PART NO.	DESCRIPTION	MATL.	SPEC.	NOTE
		VIBRATOR POWER UNIT PE-237 MODIFICATION OF POWER CORD CONNECTIONS			
AUTHENTICATION				DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES	
DRAWN <i>DORSEY</i>				PORT MONMOUTH NEW JERSEY	
TRACED <i>PHOTO</i>				SC-B-28682	
CHECKED <i>RB</i>					
VERIFIED <i>AP</i>					
APPROVED <i>AP</i>					
REVIEWED _____		SCALE _____	FINISH _____		
DATE 14 JAN 52					

UNLESS OTHERWISE SPECIFIED, DIMENSIONS, AS SHOWN ARE TO BE USED FOR ALL PARTS OF THIS DRAWING UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE PART UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE PART UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE PART UNLESS OTHERWISE SPECIFIED.

REVISIONS ISSUE A 29 JAN 52

SYM	DESCRIPTION	DATE	APPROVAL
B	7/8 WAS 5/4	15 MAR 54	NO. 22



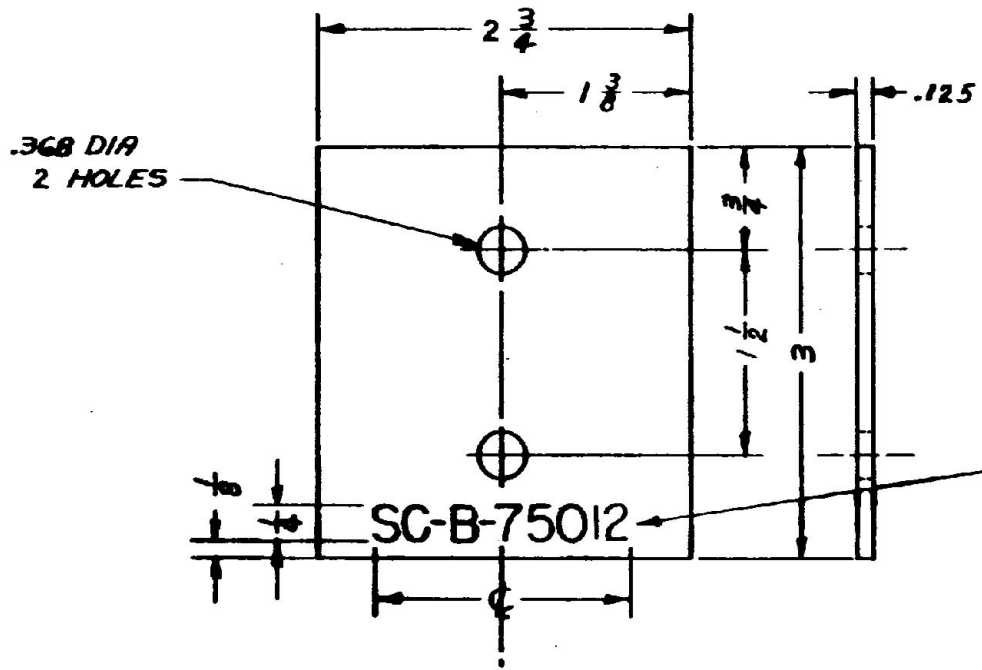
NOTE:
 1- UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
 2- INSTALLATION PER SC-D-28685

REV	DATE	DESCRIPTION	BY	CHKD
UNCLASSIFIED				

		UNLESS OTHERWISE SPECIFIED			AUTHENTICATION		RADIO SET AN/PRC-8 THRU 10 WHEN USED WITH AN/GRC-9 OR SCR-694-C IN TRUCK, UTILITY, 1/4 TON 4X4. M38 & M38A1 DRILLING DETAILS	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY
		DIMENSIONS ARE IN INCHES			DRAWN GAHLER			
		TOLERANCES ON FRACTIONS DECIMALS ANGLES			TRACED PHOTO			
		± 1/64			CHECKED AS			
		ALL SURFACES ✓			VERIFIED GP			
NEXT ASSY	USED ON				APPROVED [Signature]		SC-B-28686	
APPLICATION					REVIEWED -XK-			
					DATE 29 JAN 52		SCALE	

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ON THIS DRAWING ARE TO BE INTERPRETED AS DIMENSIONS UNLESS OTHERWISE SPECIFIED. THE DRAWING SHALL BE CONSIDERED AS A COMPLETELY SELF-CONTAINED DOCUMENTATION OF THE PART AND THE DIMENSIONS AND TOLERANCES THEREON. DIMENSIONS ON THIS DRAWING, UNLESS OTHERWISE SPECIFIED, SHALL BE IN INCHES. DIMENSIONS ON THIS DRAWING SHALL BE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED. DIMENSIONS ON THIS DRAWING SHALL BE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED. DIMENSIONS ON THIS DRAWING SHALL BE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

REVISIONS			
BY	DESCRIPTION	DATE	APPROVAL



STEEL, HOT ROLLED, AS ROLLED CONDITION,
PER SPEC QQ-S-636
REMOVE ALL BURS.

METAL STAMP BEFORE FINISH IS APPLIED
OR RUBBER STAMP IN A PERMANENT
YELLOW AFTER FINISH IS APPLIED.
CHARACTERS AND MARKINGS TO MEET
THE APPLICABLE TEST REQUIREMENTS
OF SPEC 71-8944.

NO.	REV.	DESCRIPTION	DATE	BY	APP.
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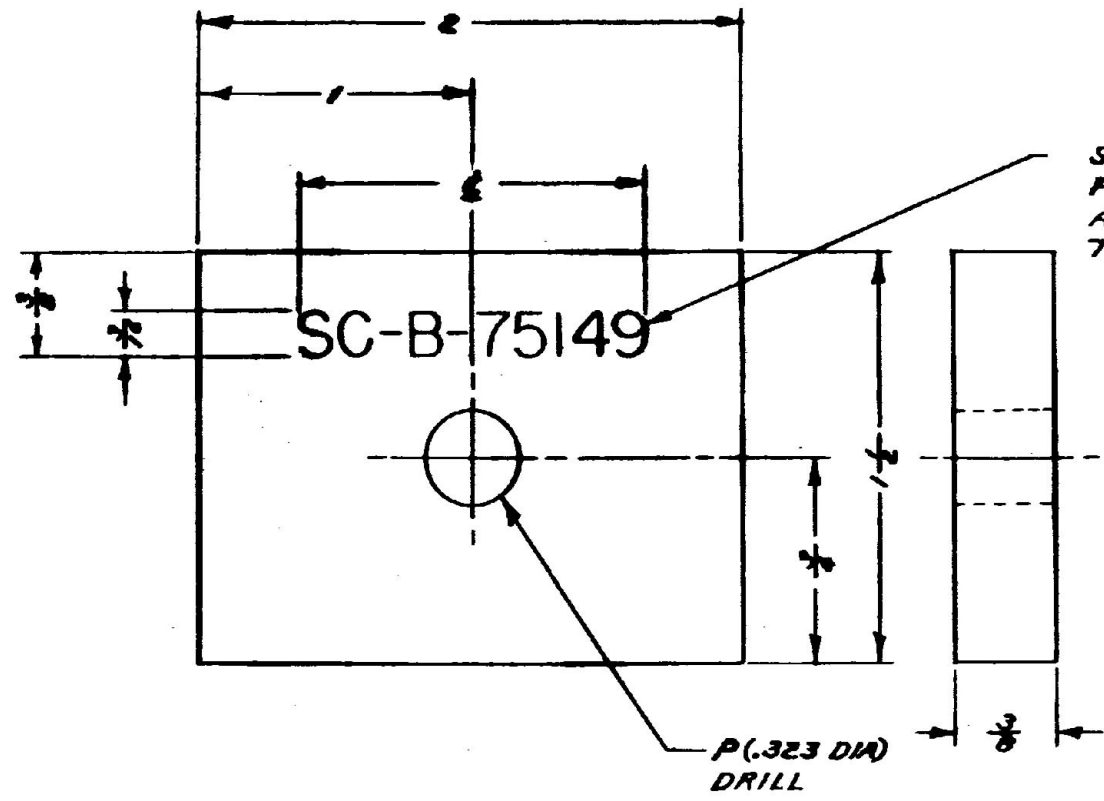
LIST OF MATERIAL

		UNLESS OTHERWISE SPECIFIED	AUTHENTICATION		<p>REINFORCEMENT</p>	<p>DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES PORT MONMOUTH NEW JERSEY</p>
		DIMENSIONS ARE IN INCHES	DRAWN <i>HJ WILCOM</i>			
		TOLERANCES ON	TRACED PHOTO			
		FRACTIONS DECIMALS ANGLES	CHECKED <i>AB</i>			
		$\pm 1/64$	VERIFIED <i>WXP</i>			
SC-C-75006	SC-DL-75205		APPROVED <i>JOC</i>		<p>SC-B-75012</p>	
NEXT ASSY	USED ON		REVIEWED <i>HMG</i>			
APPLICATION			DATE 8 APR 53			

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO. APPLICABLE REVISION SYMBOL, IF ANY AND DATE

THIS DRAWING IS THE PROPERTY OF THE SIGNAL CORPS ENGINEERING LABORATORIES, FORT MONMOUTH, NEW JERSEY. IT IS TO BE KEPT IN A SAFE PLACE AND NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE SIGNAL CORPS ENGINEERING LABORATORIES. IT IS TO BE DESTROYED WHEN NOT REQUIRED FOR THE OPERATION OF THE LABORATORIES. IT IS TO BE KEPT IN A SAFE PLACE AND NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE SIGNAL CORPS ENGINEERING LABORATORIES.

REVISIONS			
NO.	DESCRIPTION	DATE	INITIALS



STAMP IN A PERMANENT YELLOW AFTER FINISH HAS BEEN APPLIED. CHARACTERS AND MARKINGS TO MEET THE APPLICABLE TEST REQUIREMENTS OF SPEC 71-4944

SHALL BE OAK OR MAPLE LUMBER NO. 2 COMMON KILN-DRY, 545 PER SPEC MM-L-736.

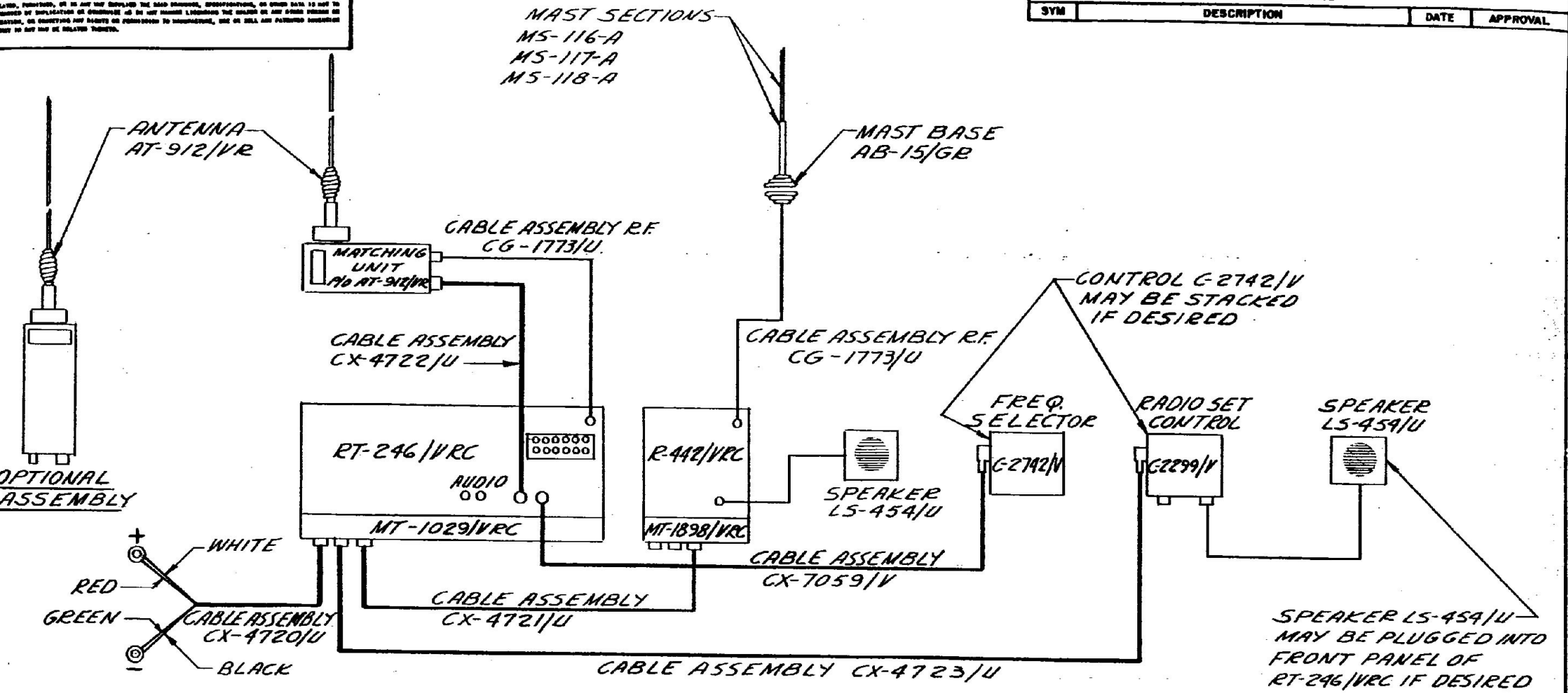
REQD.	PART NO.	DESCRIPTION	QTY.	REF. SPEC.
LIST OF MATERIAL				

		UNLESS OTHERWISE SPECIFIED			AUTHENTICATION		SPACER	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY	
		DIMENSIONS ARE IN INCHES			DRAWN <i>SHIELDS</i>				
		TOLERANCES ON			TRACED <i>PHOTO</i>				
		FRACTIONS DECIMALS ANGLES			CHECKED <i>AB</i>				
		$\pm 1/16$ — —			VERIFIED <i>WGP</i>				
NEXT ASSY		USED ON		APPROVED <i>JAC</i>					
APPLICATION				REVIEWED <i>HMG</i>		DATE <i>7 APRIL 53</i>		SCALE <i>2/1</i>	
						FINISH <i>90-345 (46-50)</i>		SC-B-75149	

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE REVISION SYMBOL, IF ANY AND DATE

BY THESE INSTRUMENTS, MANUFACTURERS, ENGINEERS, OR OTHER DATA ARE SHOWN ON ANY PARTS OR OTHER DATA IN THIS DRAWING IS DEFINITELY RELATED TO THE INSTRUMENTS, THE UNITED STATES GOVERNMENT ASSUMES NO RESPONSIBILITY IN ANY CASE FOR THE DESIGN OR THE DATA THAT THE INSTRUMENTS MAY HAVE BEEN PROVIDED, OR IN ANY CASE SUPPLIED THE DATA, ENGINEERS, OR OTHER DATA IS NOT TO BE CONSIDERED AS A GUARANTEE OF THE INSTRUMENTS OR THE DATA OR ANY OTHER PARTS OR DATA, OR CONSTRUCTION AND MAINTENANCE OR REPAIRS, USE OF DATA AND PARTS OR INSTRUMENTS MAY BE IN ANY CASE BE RELATED THEREBY.

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



REQ'D	PART NO.	DESCRIPTION	MATL.	MATL. SPEC.
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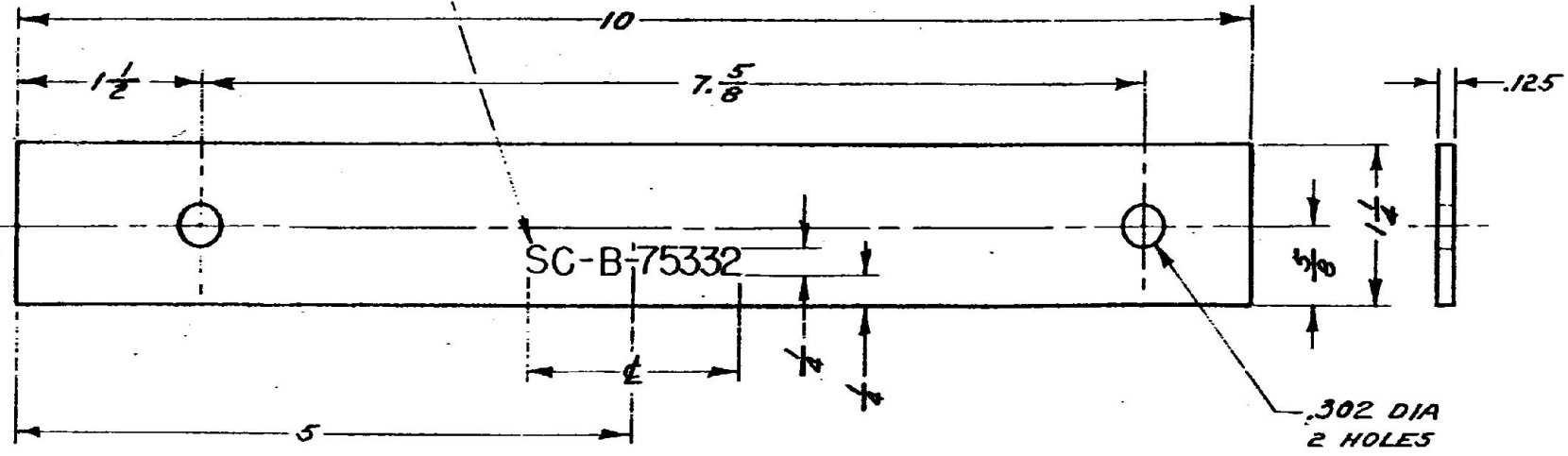
LIST OF MATERIAL

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES	AUTHENTICATION		CORDING DIAGRAM FOR RADIO SET AN/VRC-12 GENERAL PURPOSE USE	USASRDL FORT MONMOUTH NEW JERSEY
			DRAWN <i>EGGERS</i>	TRACED _____		
		CHECKED <i>AHD</i>	VERIFIED <i>WAP</i>			
		APPROVED <i>hc</i>	REVIEWED _____	SCALE _____		SC-B-75306
		DATE <i>8 JAN 1962</i>				
NEXT ASSY	USED ON					
APPLICATION						

OFFICIAL ONLY (Specified Submittal, Preparation, or Work shall be used for any purpose other than in connection with a specifically related government procurement operation, the United States Government reserves its responsibility in any evaluation whatsoever; and the fact that the Government has used formulas, procedures, or any data supplied for any purpose, specifications, or other data is not to be construed as an endorsement or approval or any other manner whatsoever and shall not be used in connection with any operation or procurement by any other agency or organization, or in connection with any other operation or procurement, nor in any way be released therefrom.)

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL

METAL STAMP BEFORE FINISH IS APPLIED, OR RUBBER STAMP IN A PERMANENT YELLOW AFTER FINISH IS APPLIED. CHARACTERS AND MARKINGS SHALL MEET THE APPLICABLE TEST REQUIREMENTS OF SPEC MIL-M-13231



STEEL, HOT ROLLED, AS ROLLED CONDITION, PER SPEC QQ-S-636. REMOVE ALL BURRS.

ITEM	QTY	DESCRIPTION	UNIT	AMT. REQ.
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LIST OF MATERIAL

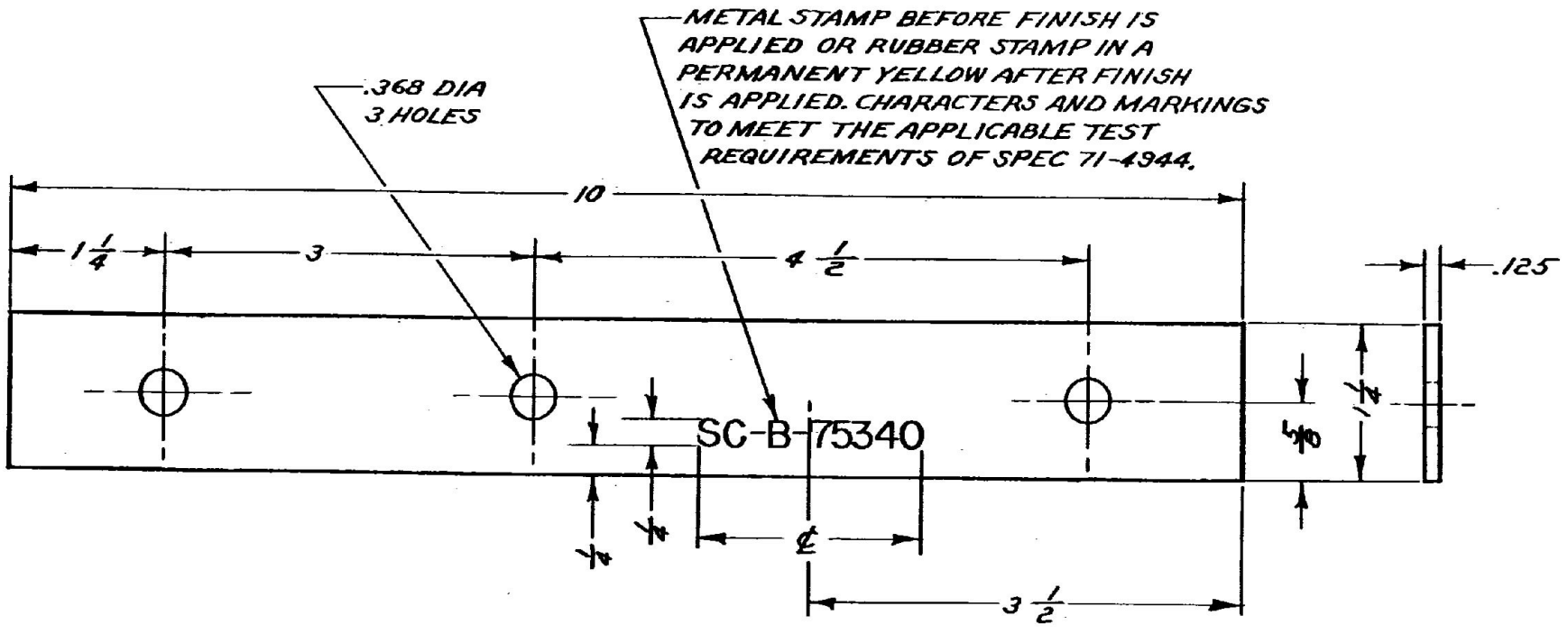
		UNLESS OTHERWISE SPECIFIED	AUTHENTICATION		REINFORCEMENT	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY
		DIMENSIONS ARE IN INCHES	DRAWN SHIELDS			
		TOLERANCES ON	TRACED PHOTO			
		FRACTIONS DECIMALS ANGLES	CHECKED <i>RS</i>			
		$\pm \frac{1}{64}$ $\pm .005$ —	VERIFIED <i>JK</i>			
NEXT ASSY	USED ON		APPROVED <i>FDV</i>		SC-B-75332	
APPLICATION			REVIEWED <i>JL.</i>			
			DATE 9 MAR 54			
			SCALE 1/1	FINISH 90-3A5		

WHEN REFERRED TO THIS DRAWING STATE DRAWING NO. APPLICABLE REVISION SYMBOL IF ANY AND DATE

S172L-100, 1 OF 1, P. NO. 64418, 1 APR 52 (Replaces Edition of 13 MAR 52) which may be used.

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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



STEEL, COLD ROLLED, CONDITION NO. 2 DULL FINISH
PER SPEC QQ-S-636.
REMOVE ALL BURRS.

SYMBOL	PART NO.	DESCRIPTION	QTY	UNIT	REMARKS
LIST OF MATERIAL					

		UNLESS OTHERWISE SPECIFIED			AUTHENTICATION	
		DIMENSIONS ARE IN INCHES			DRAWN <i>SHIELDS</i>	
		TOLERANCES ON			TRACED <i>PHOTO</i>	
		FRACTIONS	DECIMALS	ANGLES	CHECKED <i>RS</i>	
		$\pm \frac{1}{64}$	$\pm .005$	—	VERIFIED <i>VL</i>	
					APPROVED <i>JOC</i>	
					REVIEWED	
					DATE <i>2 APRIL 54</i>	
NEXT ASSY	USED ON				SCALE	FINISH
APPLICATION					<i>1/1</i>	<i>90-3A5</i>

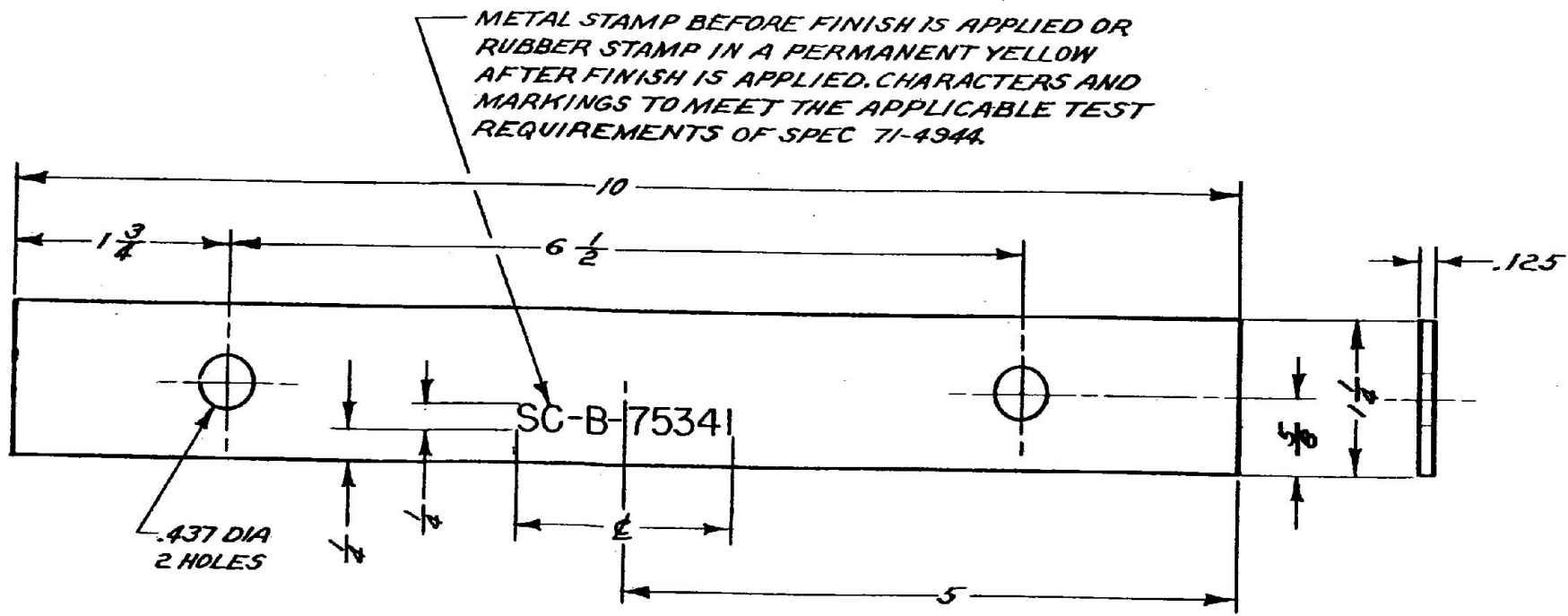
DEPARTMENT OF THE ARMY
SIGNAL CORPS ENGINEERING
LABORATORIES

FORT MONMOUTH NEW JERSEY

SC-B-75340

ARTICLE 1506 CONTRACTOR'S OBLIGATIONS, OR OTHER DATA AND DATA FOR ANY PURPOSE OTHER THAN AS INDICATED HEREIN IS A REPRODUCIBLE DOCUMENT. REPRODUCTION, OR OTHER DATA, FOR ANY PURPOSE OTHER THAN AS INDICATED HEREIN IS UNAUTHORIZED. THE UNITED STATES GOVERNMENT ASSUMES NO LIABILITY FOR ANY REPRODUCTION OR OTHER DATA, AND THE FACT THAT THE GOVERNMENT HAS MADE AVAILABLE, PRINTING, OR IS IN ANY WAY EMPLOYED THE NAME, DESIGNATION, OR OTHER DATA IS NOT TO BE CONSIDERED AN ENDORSEMENT OR RECOMMENDATION OF ANY PRODUCT OR SERVICE, OR THAT THE GOVERNMENT HAS ANY INTEREST IN ANY PRODUCT OR SERVICE, OR THAT THE GOVERNMENT HAS ANY AUTHORITY TO CONTROL THE PRICE OR THE QUALITY OF ANY PRODUCT OR SERVICE, OR THAT THE GOVERNMENT HAS ANY AUTHORITY TO CONTROL THE PRICE OR THE QUALITY OF ANY PRODUCT OR SERVICE, OR THAT THE GOVERNMENT HAS ANY AUTHORITY TO CONTROL THE PRICE OR THE QUALITY OF ANY PRODUCT OR SERVICE.

REVISIONS			
BY	DESCRIPTION	DATE	APPROVAL



STEEL, COLD ROLLED, CONDITION NO. 2 DULL FINISH
 PER SPEC QQ-S-636.
 REMOVE ALL BURRS.

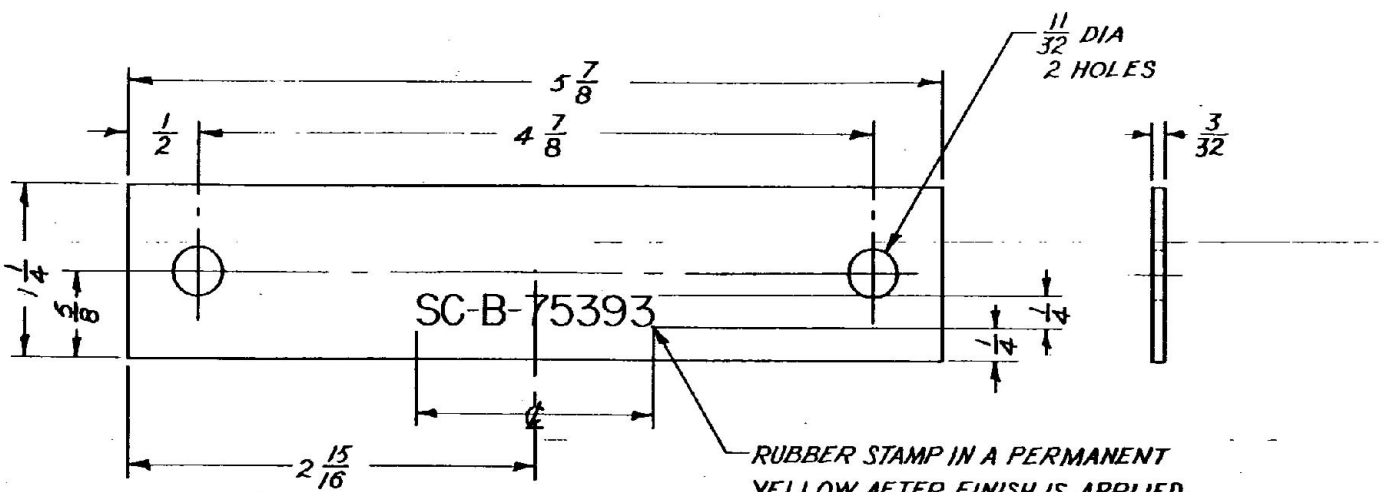
QTY	PART NO.	DESCRIPTION	UNIT
LIST OF MATERIAL			

		UNLESS OTHERWISE SPECIFIED			AUTHENTICATION		REINFORCEMENT	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY SC-B-75341	
		DIMENSIONS ARE IN INCHES			DRAWN <i>SHIELDS</i>				
		TOLERANCES ON			TRACED <i>PHOTO</i>				
		FRACTIONS DECIMALS ANGLES			CHECKED <i>JS</i>				
		+1/64 ±.005			VERIFIED <i>JA</i>				
NEXT ASSY		USED ON				APPROVED <i>JOC</i>			
APPLICATION				REVIEWED		DATE <i>2 APR 57</i>		SCALE <i>1/1</i> FINISH <i>90-3A5</i>	

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO. APPLICABLE REVISION SYMBOL IF ANY AND DATE

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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



RUBBER STAMP IN A PERMANENT YELLOW AFTER FINISH IS APPLIED. CHARACTERS & MARKINGS SHALL MEET THE APPLICABLE TEST REQUIREMENTS OF SPEC 71-4944

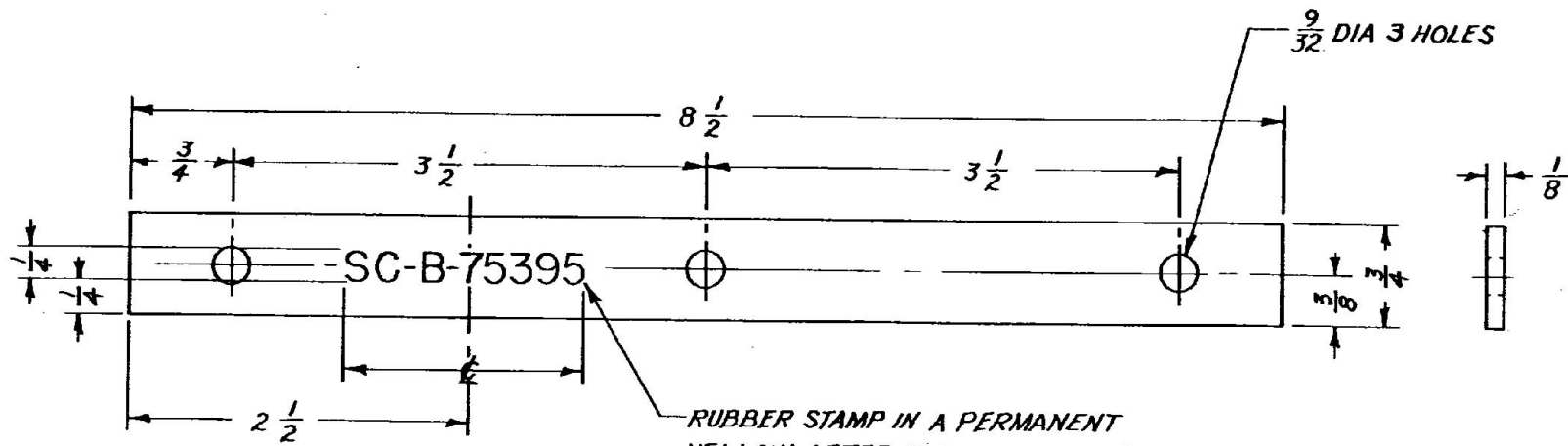
STEEL, CLASS A PER SPEC MIL-S-13281
REMOVE ALL BURRS.

REQD	PART-NO.	DESCRIPTION	MATL.	MATL-SPEC.
LIST OF MATERIAL				

		UNLESS OTHERWISE SPECIFIED		AUTHENTICATION		REINFORCEMENT	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY
		DIMENSIONS ARE IN INCHES		DRAWN <i>T. BRUNELLI</i>			
		TOLERANCES ON		TRACED <i>PHOTO</i>			
		FRACTIONS DECIMALS ANGLES		CHECKED <i>AHD</i>			
		$\pm 1/64$		VERIFIED <i>WP</i>			
				APPROVED <i>for</i>			
				REVIEWED			
NEXT ASBY		USED ON		DATE <i>21 APR 55</i>		SCALE <i>1/1</i> FINISH <i>90-3A5</i>	
APPLICATION						SC-B-75393	

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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



RUBBER STAMP IN A PERMANENT YELLOW AFTER FINISH IS APPLIED. CHARACTERS & MARKINGS SHALL MEET THE APPLICABLE TEST REQUIREMENTS OF SPEC 71-4944

STEEL CLASS A PER SPEC MIL-S-13281
REMOVE ALL BURRS.

REQ'D	PART NO.	DESCRIPTION	MATL.	MATL. SPEC.
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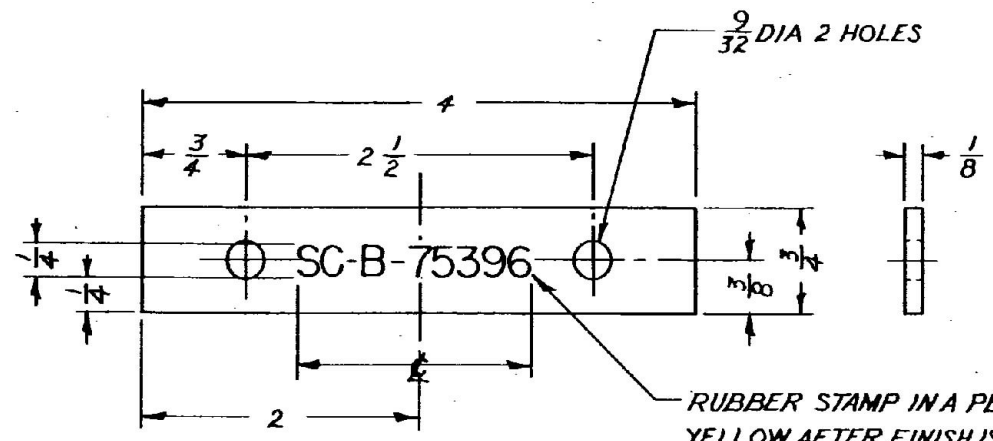
LIST OF MATERIAL

		UNLESS OTHERWISE SPECIFIED			AUTHENTICATION		REINFORCEMENT	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY		
		DIMENSIONS ARE IN INCHES			DRAWN <i>T. BRUNELLI</i>					
		TOLERANCES ON			TRACED <i>PHOTO</i>					
		FRACTIONS DECIMALS ANGLES			CHECKED <i>AHD</i>					
		± 1/64			VERIFIED <i>u</i>					
					APPROVED <i>Jac</i>					
NEXT ASSY	USED ON				REVIEWED		SC-B-75395			
APPLICATION					DATE 27 APR 55					
					SCALE 1/1		FINISH 90-3AS			

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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



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STEEL CLASS A PER SPEC MIL-S-13281
REMOVE ALL BURRS

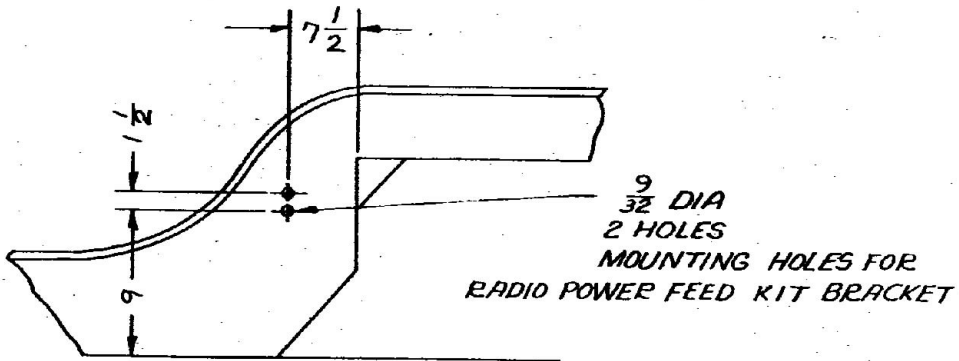
REQ'D	PART NO.	DESCRIPTION	MATL.	MATL. SPEC.
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LIST OF MATERIAL

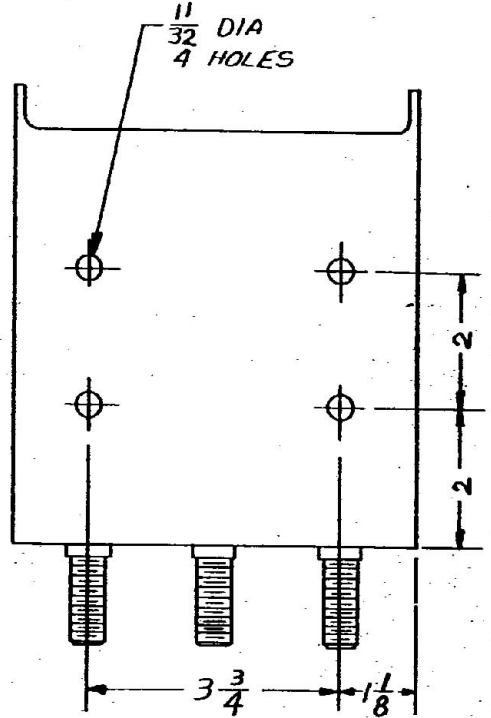
		UNLESS OTHERWISE SPECIFIED	AUTHENTICATION	REINFORCEMENT	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY
		DIMENSIONS ARE IN INCHES	DRAWN <i>T. BRUNELLI</i>		
		TOLERANCES ON	TRACED <i>PHOTO</i>		
		FRACTIONS DECIMALS ANGLES	CHECKED <i>AHD</i>		
		$\pm 1/64$	VERIFIED <i>OK</i>		
			APPROVED <i>Joe</i>		
NEXT ASSY	USED ON		REVIEWED		
APPLICATION			DATE <i>27 APR 55</i>	SCALE <i>1/1</i>	FINISH <i>90-3A5</i>
					SC-B-75396

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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



CO-DRIVER SIDE
(INSIDE VIEW)



TOP VIEW OF SPARE TIRE BRACKET
DRILLING FOR ANTENNA SUPPORT AB-449/G

FOR-INSTALLATION SEE SC-D-75682

REQ	PART NO.	DESCRIPTION	MATL	MATL SPEC
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LIST OF MATERIAL

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES +1/64	AUTHENTICATION DRAWN HJ WILCOM TRACED PHOTO CHECKED AND VERIFIED WAP APPROVED [Signature] REVIEWED	INSTALLATION OF RADIO SETS AN/VRC-8 TO10 FOR COMBINATION IN TRUCK UTILITY, 1/4 TON, 4 X 4 M38 & M38A1 DRILLING DETAILS
NEXT ASSY	USED ON		DATE 10 OCT 55	SCALE
APPLICATION				

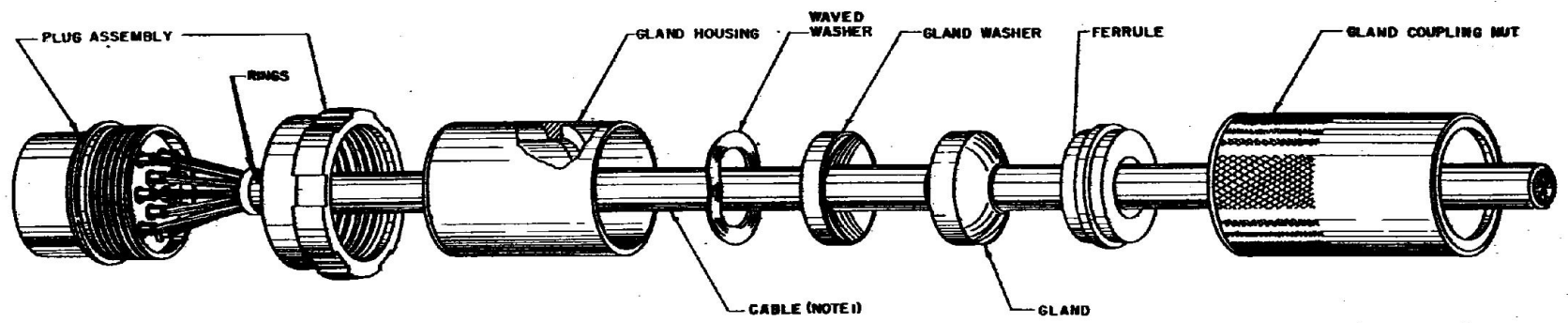
DEPARTMENT OF THE ARMY
SIGNAL CORPS ENGINEERING
LABORATORIES
FORT MONMOUTH NEW JERSEY

SC-B-75683

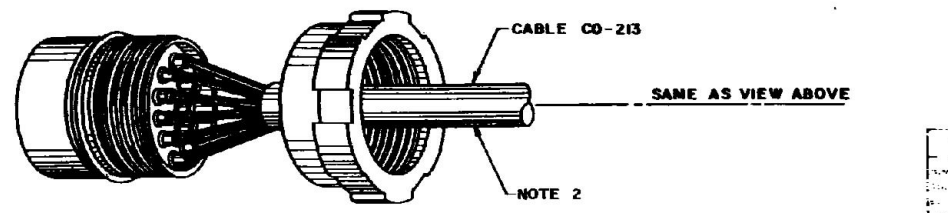
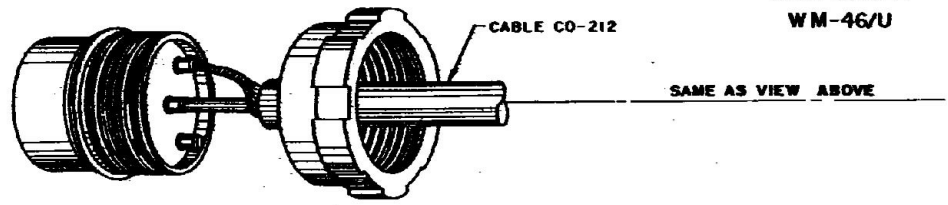
NEXT ASSY. NO. FIRST USED ON

REVISIONS		ORIGINAL ISSUE SYMBOL A 18 NOV 1949		
SYM	DESCRIPTION	DATE	BY	APPROVAL
B	CABLE PREPARATION DELETED FROM TITLE & DWG. NOTE 1 ADDED.	14 MAR 50	SCA	REV
C	RINGS ADDED.	21 JAN 50	SCA	REV
D	REVISED & RECAPTIONED	23 NOV 49	SCA	REV

NOTE:
 1. PREPARE CABLE PER SC-D-28209
 2. PREPARE CABLE PER SC-A-9185



EXPLODED VIEW OF PLUG ASSEMBLY WITH CABLE WM-46/U



SC-C-28185
 18 NOV 1949

BEDKOWSKI
 BEDKOWSKI
 ERRICKSON
 M. Z.
 ST.

ASSEMBLY OF WATERPROOF VEHICLE TERMINAL BOX PLUGS

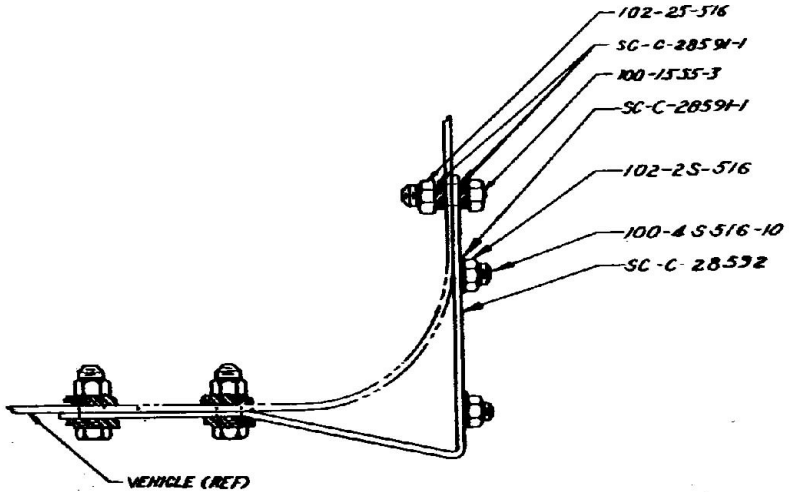
18 NOV 1949

SC-C-28185

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE TO BE GIVEN AS SHOWN. DIMENSIONS ARE TO BE GIVEN IN DECIMALS OF AN INCH UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE TO BE GIVEN IN DECIMALS OF AN INCH UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE TO BE GIVEN IN DECIMALS OF AN INCH UNLESS OTHERWISE SPECIFIED.

NEXT ASSEMBLY	TEMP USED ON

REVISIONS		ORIGINAL ISSUE SYMBOL	DATE	APPROVAL
SYM	DESCRIPTION			



NOTE:
 1 AS SUPPLIED BY SHAKEPROOF INC., CHICAGO, ILL., OR EQUAL.
 2 FINISH PER SPEC 72-53, TABLE I, TYPE I, COLOR CONFORMING TO *2430 PER SPEC TT-C-595.
 4 ABBREVIATIONS ARE PER JAN-STD-12.
 5 THIS DRAWING AND DRAWINGS, SPECIFICATIONS AND PUBLICATIONS REFERENCED, AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS.

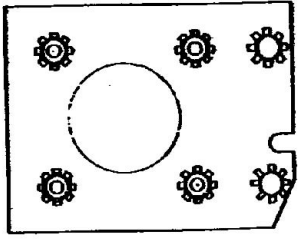
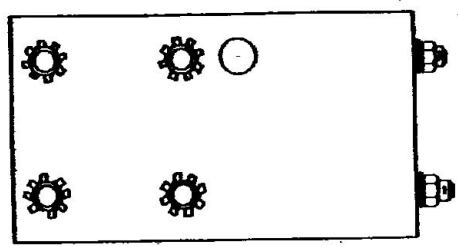


EXHIBIT II-B-1

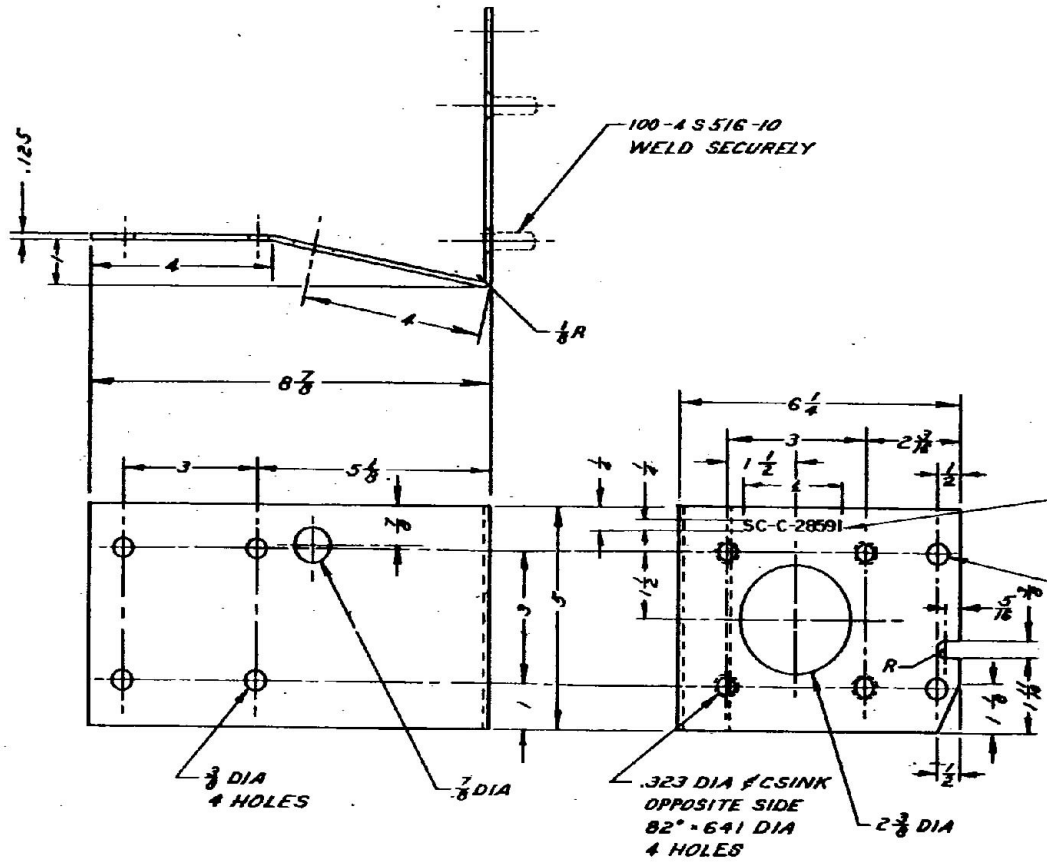
QTY	PART NO.	DESCRIPTION	MATL.	SPEC	NOTE
16	SC-C-28591-1	LOCKWASHER *4018-B4			1
10	102-25-516	HEX NUT			
6	100-1535-3	HHMS	STEEL		
4	100-45516-10	FHMS			
1	SC-C-28592	BRACKET			

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ± ANGLES ± COMMERCIAL TOLERANCES APPLY TO STOCK SIZES ALL SURFACES	AUTHORITY DRAWN/SWELDS TRACED CHECKED VERIFIED APPROVED REVIEWED DATE 16 MAR 51	BRACKET ASSEMBLY (SIG C STK NO.)	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY SC-C-28591
<input checked="" type="checkbox"/>	<input type="checkbox"/>	SCALE 1/2 FINISH	

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NEXT ASSEMBLY	USED USED ON
SC-C-28591	

REV#	DESCRIPTION	DATE	APPROVAL

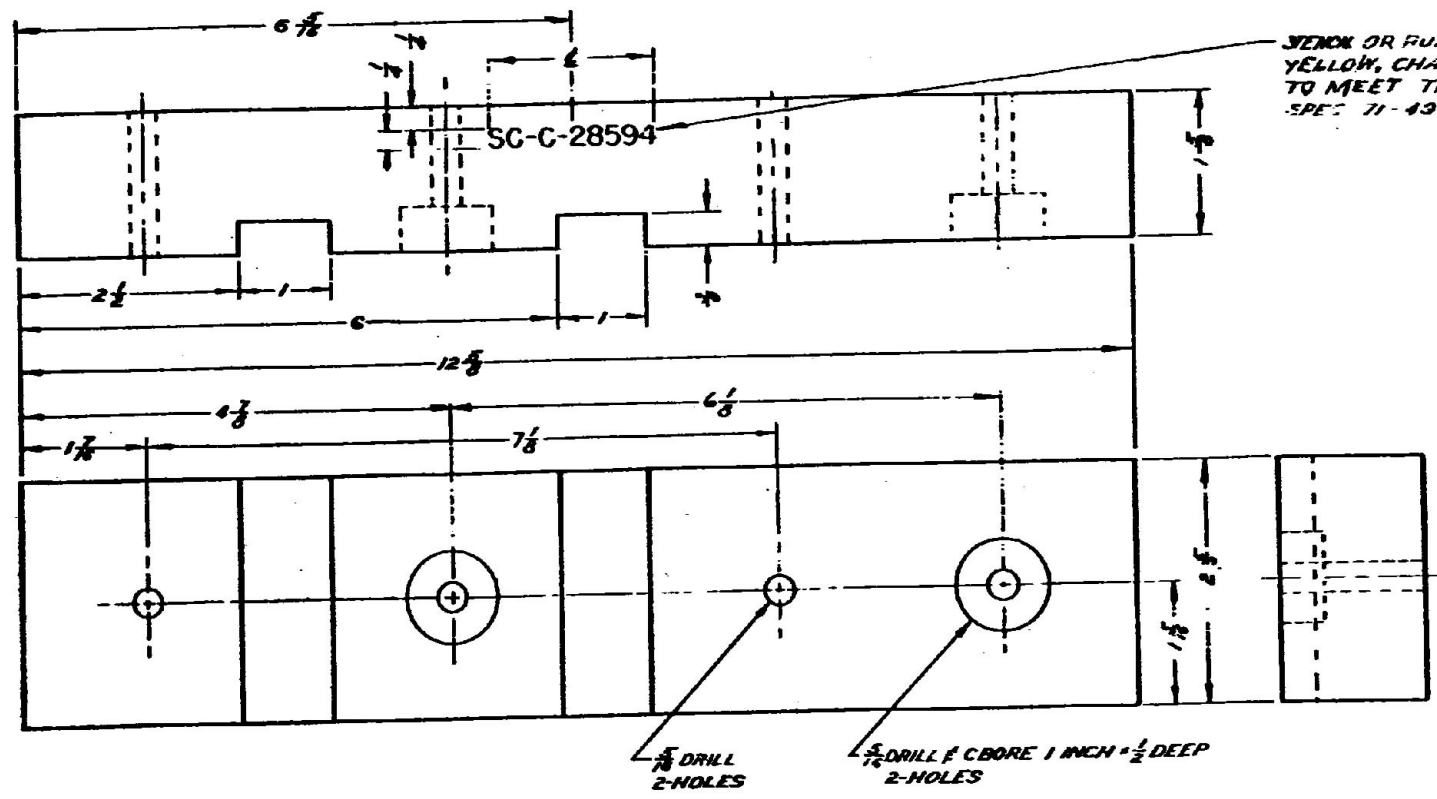


STEEL CLASS A PER SPEC 57-114-1.
 ALL WELDS SHALL BE OF AMPLE SIZE WITH THOROUGH PENETRATION AND GOOD FUSION, FREE FROM ALL SURFACE DEFECTS, AND STRONGER THAN THE MATERIALS WHICH THEY JOIN.
 REMOVE ALL BURRS.

EXHIBIT II-B-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE TO BEHOLD TOLERANCES UNLESS INDICATED BY FRACTIONS OR DECIMALS IN PARENTS IN COMMERCIAL TOLERANCES APPLY TO STOCK SIZES	AUTHENTICATION DRAWN SHIELDS TRACED CHECKED <i>RS</i> TYPED <i>CK</i> APPROVED DATE 13 MAR 51	BRACKET (SIG C STK NO.) SCALE 1/2	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORY PART NUMBER 100-4944 SC-C-28592
	ALL SURFACES <input checked="" type="checkbox"/>		DATE 13 MAR 51

STANDARD DRAWING PRACTICES AND CONVENTIONS
 THE FOLLOWING RULES GOVERN THE PREPARATION OF THIS DRAWING
 1. ALL DIMENSIONS ARE TO BE TAKEN UNLESS OTHERWISE SPECIFIED
 2. DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF HOLES UNLESS OTHERWISE SPECIFIED
 3. DIMENSIONS ARE TO BE TAKEN TO THE SURFACE UNLESS OTHERWISE SPECIFIED
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 95. DIMENSIONS ARE TO BE TAKEN TO THE SURFACE UNLESS OTHERWISE SPECIFIED
 96. DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF HOLES UNLESS OTHERWISE SPECIFIED
 97. DIMENSIONS ARE TO BE TAKEN TO THE SURFACE UNLESS OTHERWISE SPECIFIED
 98. DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF HOLES UNLESS OTHERWISE SPECIFIED
 99. DIMENSIONS ARE TO BE TAKEN TO THE SURFACE UNLESS OTHERWISE SPECIFIED
 100. DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF HOLES UNLESS OTHERWISE SPECIFIED



STICK OR RUBBER STAMP IN A PERMANENT YELLOW, CHARACTERS AND MARKINGS TO MEET THE TEST REQUIREMENTS OF SPEC 71-1344

5/16 DRILL 2-HOLES
 1/4 DRILL & BORE 1 INCH +/- 1/2 DEEP 2-HOLES

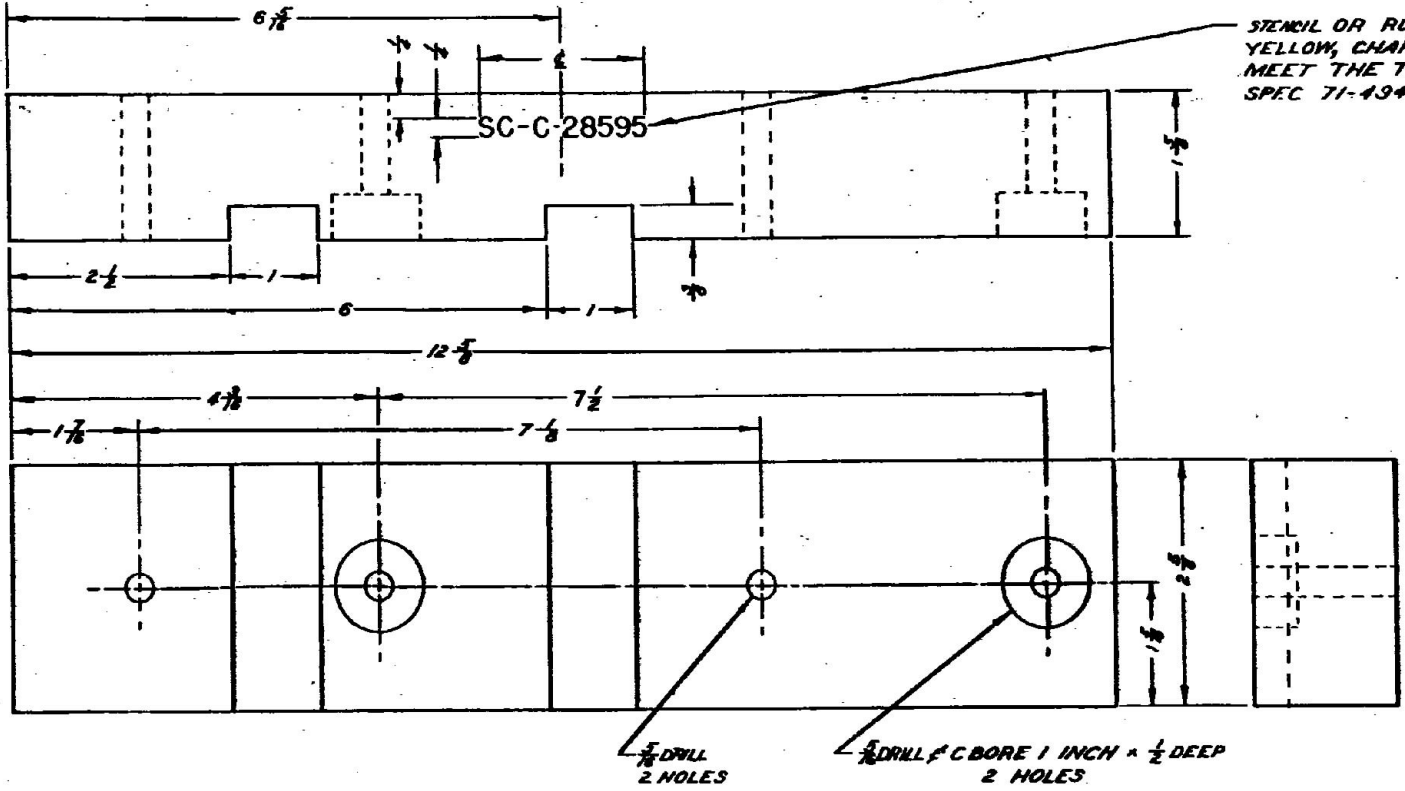
SHALL BE OAK OR MAPLE LUMBER NO 2 COMMON KILN-DRY, S4S PER SPEC MM-L-736.
 FINISH PER SPEC 72-53, TABLE 1, TYPE 1, COLOR CONFORMING TO #2430.
 ABBREVIATIONS ARE PER JAN-STD-12.
 THIS DRAWING AND DRAWINGS, SPECIFICATIONS AND PUBLICATIONS REFERENCED, AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF HOLES UNLESS OTHERWISE SPECIFIED FRACTIONS ± 1/16 DECIMALS ± .005 ANGLES ± 15' COMMERCIAL TOLERANCES APPLY TO EACH SIZE ALL SURFACES	AUTHORIZATION DESIGNED SWELDS CHECKED DWZ VERIFIED APPROVED DRAWN HMG DATE 7 MAR 51	SPACER (SIG C STK NO.)	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY SC-C-28594
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WHEN REFERRED TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL AND DATE

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TEST ASSEMBLY	ARMED USED ON	REVISION	DESCRIPTION	DATE	APPROVAL



STENCIL OR RUBBER STAMP IN A PERMANENT YELLOW, CHARACTERS AND MARKINGS TO MEET THE TEST REQUIREMENTS OF SPEC 71-4944.

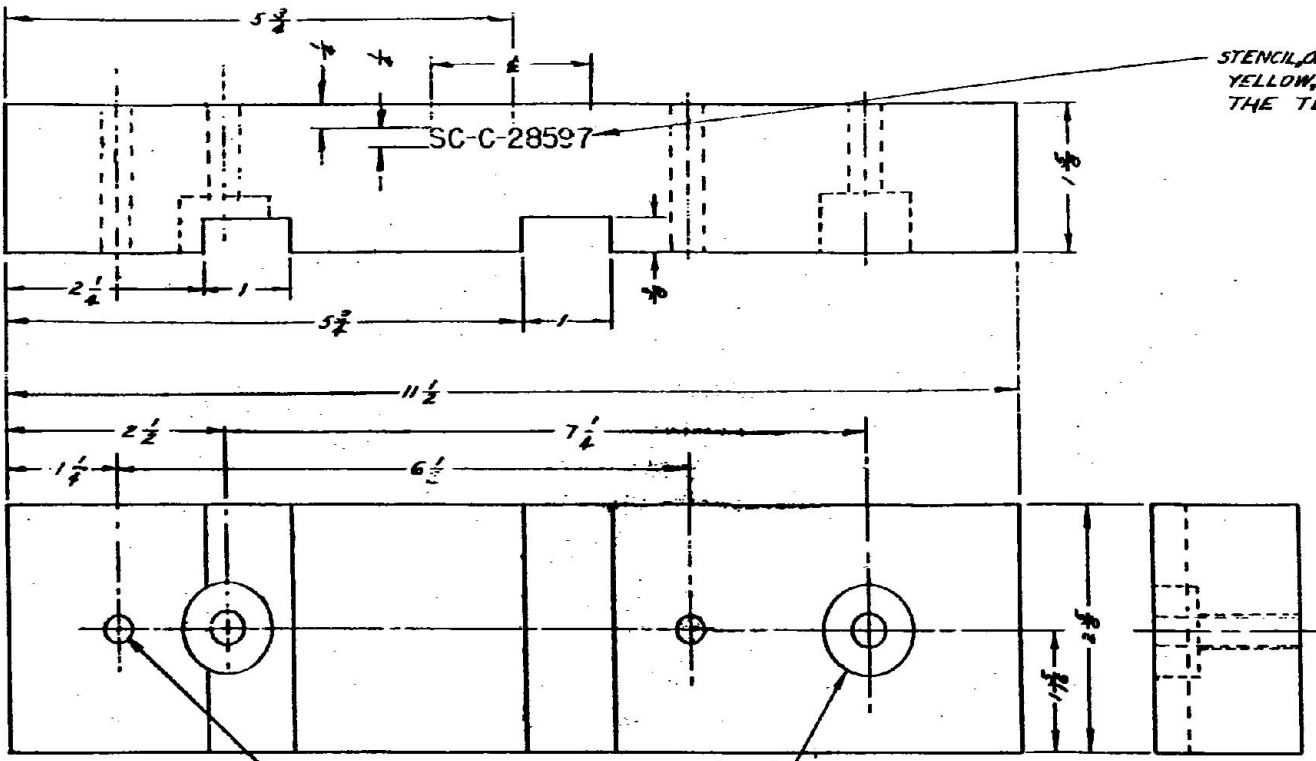
SHALL BE OAK OR MAPLE LUMBER NO. 2 COMMON KILN-DRY, S4S PER SPEC MM-L-736,
 FINISH PER SPEC 72-53, TABLE I, TYPE I COLOR CONFORMING TO 2430.
 ABBREVIATIONS ARE PER JAN-STD-12.
 THIS DRAWING AND DRAWINGS, SPECIFICATIONS AND PUBLICATIONS REFERENCED, AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS.

UNLESS OTHERWISE SPECIFIED	ADVERTISING	NO. 1	TYPE 00	DESCRIPTION	DATE	BY	APP'D
DIMENSIONS ARE IN INCHES	DRAWN/SHIELDS	SPACER (SIG C STK NO.)				DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY	
TOLERANCES ON	TRACES PHOTO						
FRACTIONS ± 1/16	CHECKED <i>[Signature]</i>						
DECIMALS ±	VERIFIED <i>[Signature]</i>						
ANGLES ±	APPROVED <i>[Signature]</i>	SCALE 1/1	FINISH	SC-C-28595			
COMMERCIAL TOLERANCES APPLY TO STOCK SIZE	REVIEWED <i>[Signature]</i>						
ALL DIMENSIONS	DATE 5 MAR 51						

THIS DRAWING IS THE PROPERTY OF THE ARMY ENGINEERING CENTER. IT IS TO BE KEPT IN THE OFFICE OF THE DRAWING OFFICER AND NOT TO BE LOANED, REPRODUCED, COPIED, OR IN ANY MANNER DISSEMINATED OUTSIDE THE OFFICE OF THE DRAWING OFFICER. IT IS TO BE KEPT IN THE OFFICE OF THE DRAWING OFFICER AND NOT TO BE LOANED, REPRODUCED, COPIED, OR IN ANY MANNER DISSEMINATED OUTSIDE THE OFFICE OF THE DRAWING OFFICER.

NEXT ASSEMBLY _____
 DRAWING NO. _____

REVISIONS _____
 ORIGINAL ISSUE SYMBOL **A 6 MAR 51**
 DATE _____
 APPROVAL _____



STENCIL OR RUBBER STAMP IN A PERMANENT YELLOW CHARACTERS AND MARKINGS TO MEET THE TEST REQUIREMENTS OF SPEC 71-4944.

5/16 DRILL
2 HOLES

15 DRILL CORE 1 INCH DIA x 3/8 DEEP
2 REQD

SHALL BE OAK OR MAPLE LUMBER NO 2 COMMON KILN-DRY,
 345 PER SPEC MM-L-736.
 FINISH PER SPEC 72-53, TABLE I, TYPE I COLOR CONFORMING TO
 #2430

ABBREVIATIONS ARE JAN-STD-12.
 THIS DRAWING AND DRAWINGS, SPECIFICATIONS AND PUBLICATIONS
 REFERENCED, AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE
 NECESSARY DATA RELATING TO DRAWINGS.

UNLESS OTHERWISE SPECIFIED	APPROVED	DATE	QTY	UNIT
CONSTRUCTION AS PER INCH	DATE/INITIALS			
TOLERANCES ON	TRADE PHOTO			
FRACTIONS ± 1/8	CHECKED			
DECIMALS ±	INITIALS			
ANGLES ±	APPROVED			
COMMERCIAL TOLERANCES	DATE			
APPLY TO STOCK SKID	APPROVED			
ALL SURFACES	DATE			

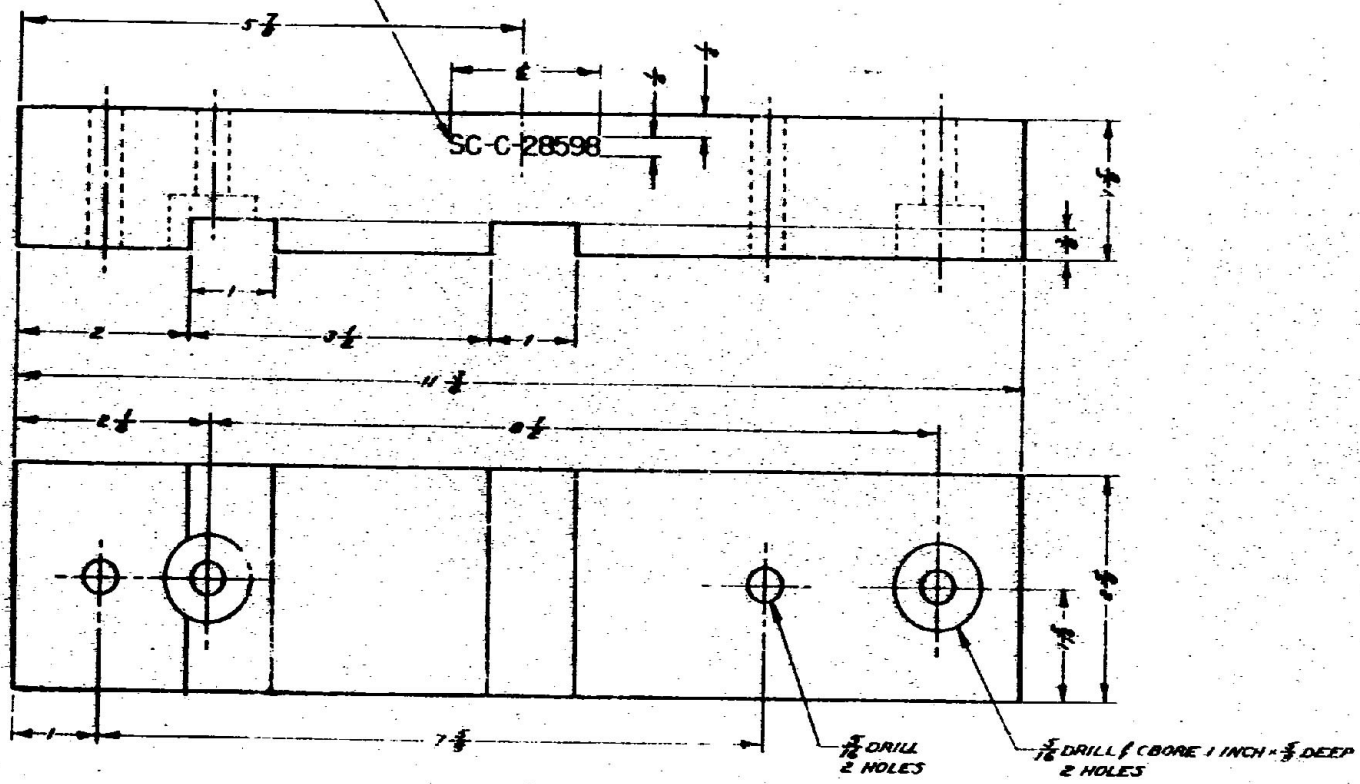
DESCRIPTION	QTY	UNIT	DATE
SPACER	1		
(SIG C STK NO.)			
DEPARTMENT OF THE ARMY ENGINEERING CENTER LABORATORY			
POST NUMBER	DATE		

SC-C-28597

NEXT ASSEMBLY: _____
 DRAWN BY: _____

REV	DESCRIPTION	DATE	APPROVAL
B	REVISED & REDRAWN	9 MAR 51	[Signature]
C	NOTE REVISED. STOCK NO. ADDED	9 MAR 51	[Signature]

Ⓒ RUBBER STAMP IN A PERMANENT YELLOW, AFTER FINISH HAS BEEN APPLIED, CHARACTERS AND MARKINGS TO MEET THE TEST REQUIREMENTS OF SPEC MIL-M-13231. (MARKING SHALL INCLUDE LATEST DRAWING ISSUE LETTER)



OAK OR MAPLE LUMBER NO. 2 COMMON KILN DRY.
 S4S PER SPEC MM-L-736.

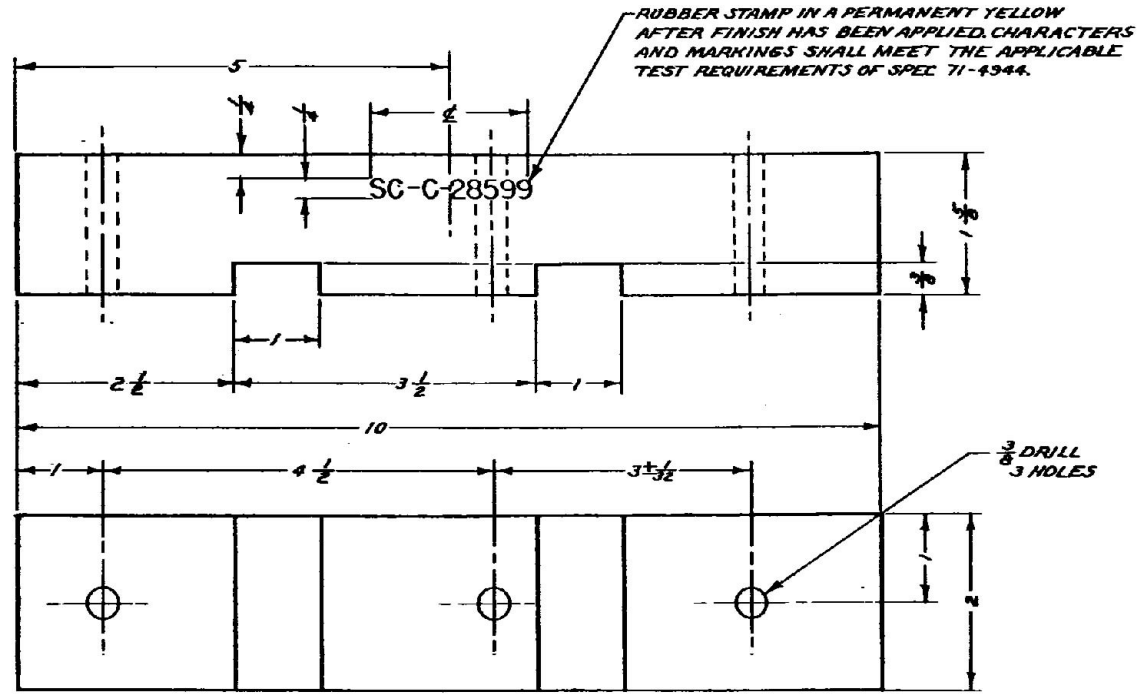
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FINISHES: ± 1/8 SQUARES: ± ANGLES: ± COMMERCIAL TOLERANCES APPLY TO STOCK SIZES ALL SURFACES: ✓	ALLOWED FINISHES: THRESHOLD TRACK PHOTO CHUCK PROVED EX APPROVED F.A.C. APPROVED H.M.G. DATE 9 MAR 51	SPACER (SIG C STK NO. 22736-103) SCALE: 1/1 FROM: 90-3A5	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORY POST OFFICE BOX 1500 FORT MONROE, VIRGINIA SC-C-28598
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WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL AND DATE.

NOTE: THIS DRAWING IS A TECHNICAL DRAWING OF A MECHANICAL PART. IT IS THE RESPONSIBILITY OF THE DRAWING ENGINEER TO ASSURE THAT THE PART IS MANUFACTURED TO THE DIMENSIONS AND TOLERANCES SHOWN. THE DRAWING ENGINEER IS NOT RESPONSIBLE FOR THE QUALITY OF THE MATERIAL OR THE FINISH OF THE PART. THE DRAWING ENGINEER IS NOT RESPONSIBLE FOR THE SAFETY OF THE PART OR THE SAFETY OF THE OPERATOR. THE DRAWING ENGINEER IS NOT RESPONSIBLE FOR THE SAFETY OF THE OPERATOR.

NEXT ASSEMBLY	PART USED ON

REVISIONS		DATE	APPROVAL
SYM	DESCRIPTION		
B	REVISED AND REDRAWN	25 SEP 54	OPS 18-99 JAC



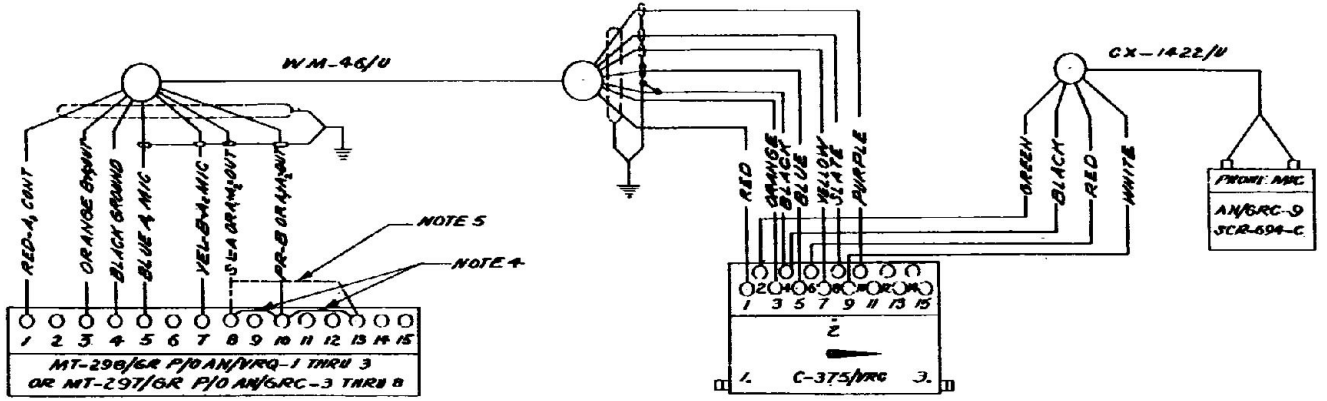
WOOD 56-3-10 PER SIGNAL CORPS STANDARD 56-3.

UNLESS OTHERWISE SPECIFIED	AUTHENTICATION	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORY
DIMENSIONS ARE IN INCHES	DRAWN: SHIELDS	PORT HONNOUTH NEW JERSEY
TOLERANCES ON	TRACED: PHOTO	SC-C-28599
FRACTIONS ± 1/16	CHECKED: AS	
DECIMALS ± 0.005	VERIFIED: BK	
ANGLES ±	APPROVED: JAC	
COMMERCIAL TOLERANCES	REVIEWED: HMG	
APPLY TO STOCK SIZES.	DATE: APR 57	
ALL SURFACES	SCALE: 1/1	FINISH: 90-345

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL AND DATE

UNLESS SHOWN OTHERWISE, DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED AND ANGLES ARE IN DEGREES. DIMENSIONS ARE TO BE INTERPRETED AS UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE TO BE INTERPRETED AS UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE TO BE INTERPRETED AS UNLESS OTHERWISE SPECIFIED.

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVAL
0	REVISED & REDRAWN. SUPERSEDES NOTE AND NOTES 5 & 6 ADDED.	7/11/42	CJA Ek. 30 PCL



- NOTE:**
1. -A-A₂ REFERS TO EITHER RT-66/GRC, RT-67/GRC OR RT-68/GRC. "B" REFERS TO RT-70/GRC. "C" REFERS TO AN/GRC-9 OR SCR-694-C.
 2. FOR LOW IMPEDANCE OUTPUT OF RADIO SETS AN/GRC-9 OR SCR 694-C. ROTATE IMPEDANCE MATCHING SWITCH ON THE REAR OF THE RECEIVER CHASSIS TO THE 250 OHM POSITION.
 3. LOCK SWITCHES ON TOP OF CONTROL BOXES C-375/VRC IN "RADIO TRANSMIT" POSITION BY MEANS OF A SET SCREW.
 4. JUMPERS ARE TO BE USED ONLY WITH RADIO SETS AN/VRQ-1 THRU 3.
 5. CONNECT "SLATE" TO PIN 8 ON MOUNTING MT-298/GR TO PIN 13 ON MT-297/GR.
 6. SET "FIELD-VEH-TANK" SWITCH ON RT-70/GRC CHASSIS TO "VEN" POSITION.

SUPERSEDES SC-B-28625

OPERATION OF CONTROL BOX C-375/VRC

RADIO SETS	MAIN CONTROL SWITCH POSITION		
	POSITION 1	POSITION 2	POSITION 3
AN/GRC-370B + AN/GRC-9	REC ON A TRANS ON A	REC ON C TRANS ON C	REC ON B TRANS ON B
AN/VRQ-1703 + AN/GRC-9	REC ON A ₁ + A ₂ TRANS ON A	REC ON C TRANS ON C	REC ON A ₁ + A ₂ TRANS ON A ₂

UNLESS OTHERWISE SPECIFIED	AUTHENTICATION
DIMENSIONS ARE IN INCHES	DRAWN AC/KKA
TOLERANCES ON FRACTIONS DECIMALS ANGLES	TRACED P/NOT
	CHECKED K/RRICKSON
	VERIFIED W. L. WYNEP
	APPROVED FOR
	REVIEWED -XX-
	DATE C. JIA 51

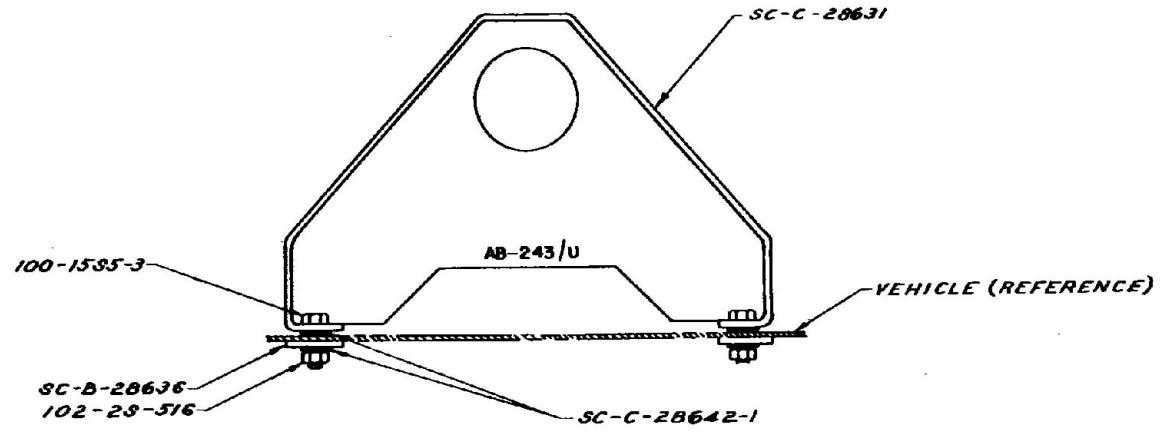
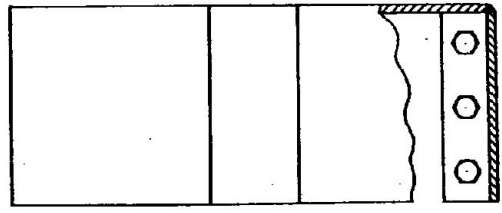
LIST OF MATERIAL
 RADIO SETS AN/GRC-3 THRU 8 OR AN/VRQ-1 THRU 3 IN COMBINATION WITH AN/GRC-9 OR SCR-694-C INTERCONNECTION OF COMPONENTS

DEPARTMENT OF THE ARMY
 SIGNAL CORPS ENGINEERING LABORATORIES
 FORT MONMOUTH NEW JERSEY
 SC-C-28625

UNLESS OTHERWISE SPECIFIED, DIMENSIONS, AS SHOWN, ARE TO BE MAINTAINED. THE DRAWING ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND FOR THE CLARITY OF THE DRAWING. THE DRAWING ENGINEER SHALL BE RESPONSIBLE FOR THE CLARITY OF THE DRAWING. THE DRAWING ENGINEER SHALL BE RESPONSIBLE FOR THE CLARITY OF THE DRAWING.

NEXT ASSEMBLY	GROUP USED ON

REVISIONS	ORIGINAL ISSUE SYMBOL	DATE	APPROVAL
	A16	APRIL 51	



NOTES:
 1. CADMIUM COATED AS SUPPLIED BY SHAKEPROOF INC., CHICAGO, ILL OR EQUAL.
 2. ABBREVIATIONS ARE PER JAN-STD-12.
 3. THIS DRAWING AND DRAWINGS, SPECIFICATIONS AND PUBLICATIONS REFERENCED AND THEIR SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS.

QTY	PART NO.	DESCRIPTION	MATL	SPEC	NOTE
12	SC-C-28642-1	LOCKWASHER	408-24-00		
6	102-25-516	NUT			
6	100-1535-3	SCREW	STEEL		
2	SC-B-28636	REINFORCEMENT			
1	SC-C-28631	BASE			

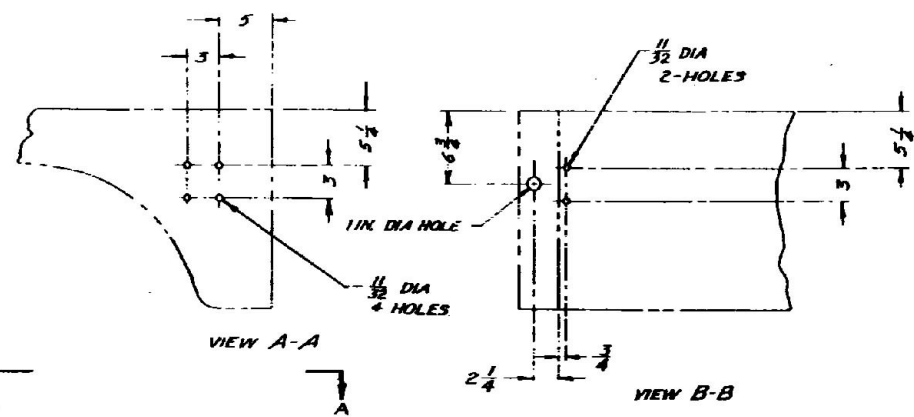
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± — DECIMALS ± — ANGLES ± — COMMERCIAL TOLERANCES APPLY TO STOCK SIZES ALL SURFACES <input checked="" type="checkbox"/>	AUTHENTICATION DRAWN/SHIELDS TRACED CHECKED VERIFIED APPROVED REVIEWED DATE 16 APR 51	ANTENNA BASE AB-243/U SCALE 1/2 FINISH —	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY SC-C-28642
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WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL AND DATE

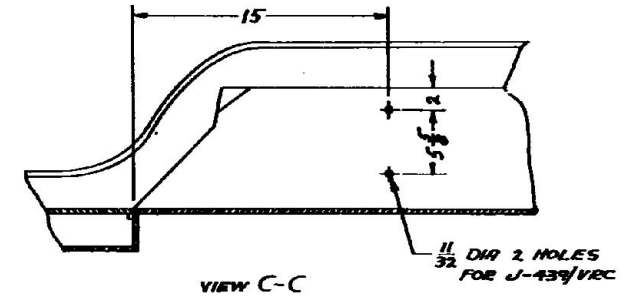
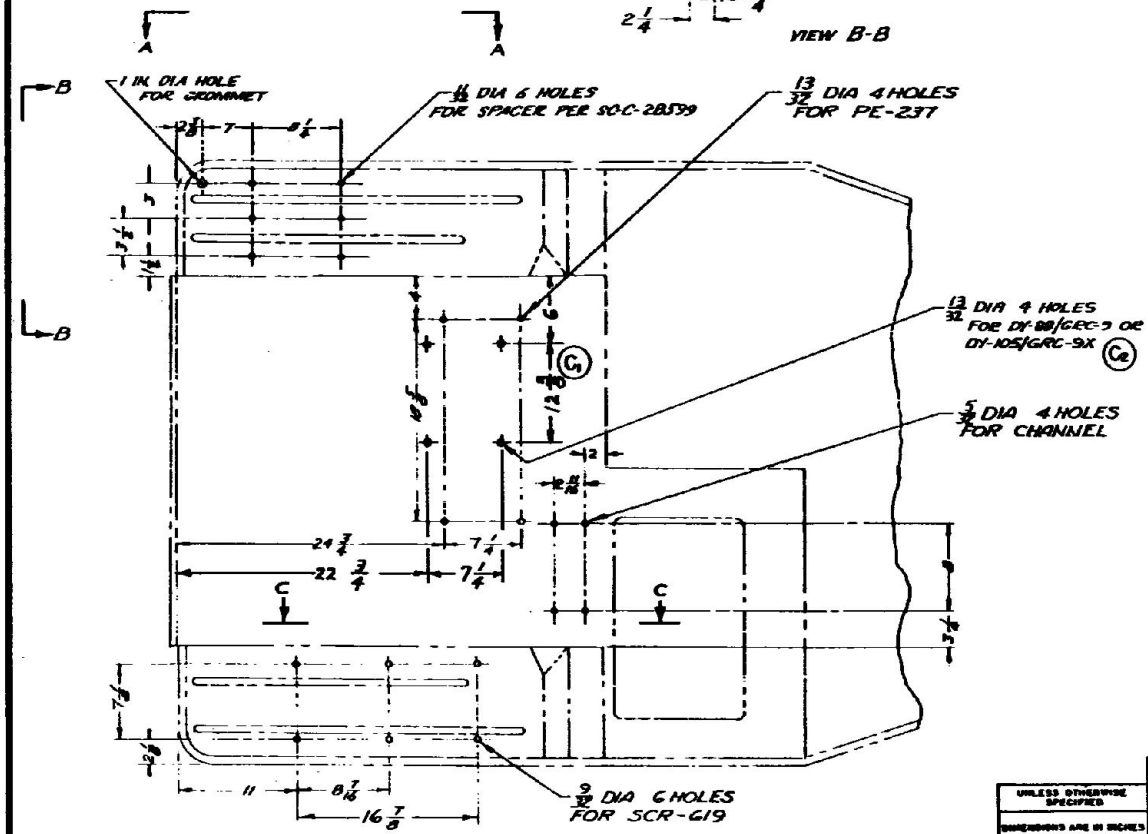
NOTE: THIS DRAWING IS A REVISION OF AN EARLIER DRAWING. IT IS THE RESPONSIBILITY OF THE USER TO OBTAIN THE EARLIER DRAWING FOR REFERENCE. THE USER SHALL BE RESPONSIBLE FOR THE CORRECT INTERPRETATION OF THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR THE CORRECT INTERPRETATION OF THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR THE CORRECT INTERPRETATION OF THIS DRAWING.

NEXT ASSEMBLY	FIRST USED ON

REVISIONS		ORIGINAL ISSUE SYMBOL A - 7 FEB 52	
SYM	DESCRIPTION	DATE	APPROVAL
B	MTG HOLES FOR DY-88/GRC-9 & J-439/VRC ADDED TITLE REVISED	17 DEC 52	[Signature]
C ₂	G ₂ WAS 12 1/8. G ₂ DY-105/GRC-SX ADDED.	23 MAR 52	[Signature]



NOTE:
1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
2. INSTALLATIONS ARE PER SGO-28683 & SGO-28684



UNLESS OTHERWISE SPECIFIED	AUTHENTICATION DRAWN ACERRA	RADIO SETS AN/GRC-9 OR SCR-694 AND SCR-619 IN TRUCK, UTILITY, 1/4 TON, 4 X 4, M 38 & M 38A1 DRILLING DETAILS	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH, NEW JERSEY
DIMENSIONS ARE IN INCHES	TRACED PHOTO		
TOLERANCES ON FRACTIONS ± 1/64	CHECKED [Signature]		
DIMENSIONS ± .005	VERIFIED [Signature]		
COMMERCIAL TOLERANCES APPLY TO STOCK SIZES	APPROVED [Signature]		
ALL SURFACES ✓	REVIEWED [Signature]	SCALE 1/8	DATE 1 FEB 52

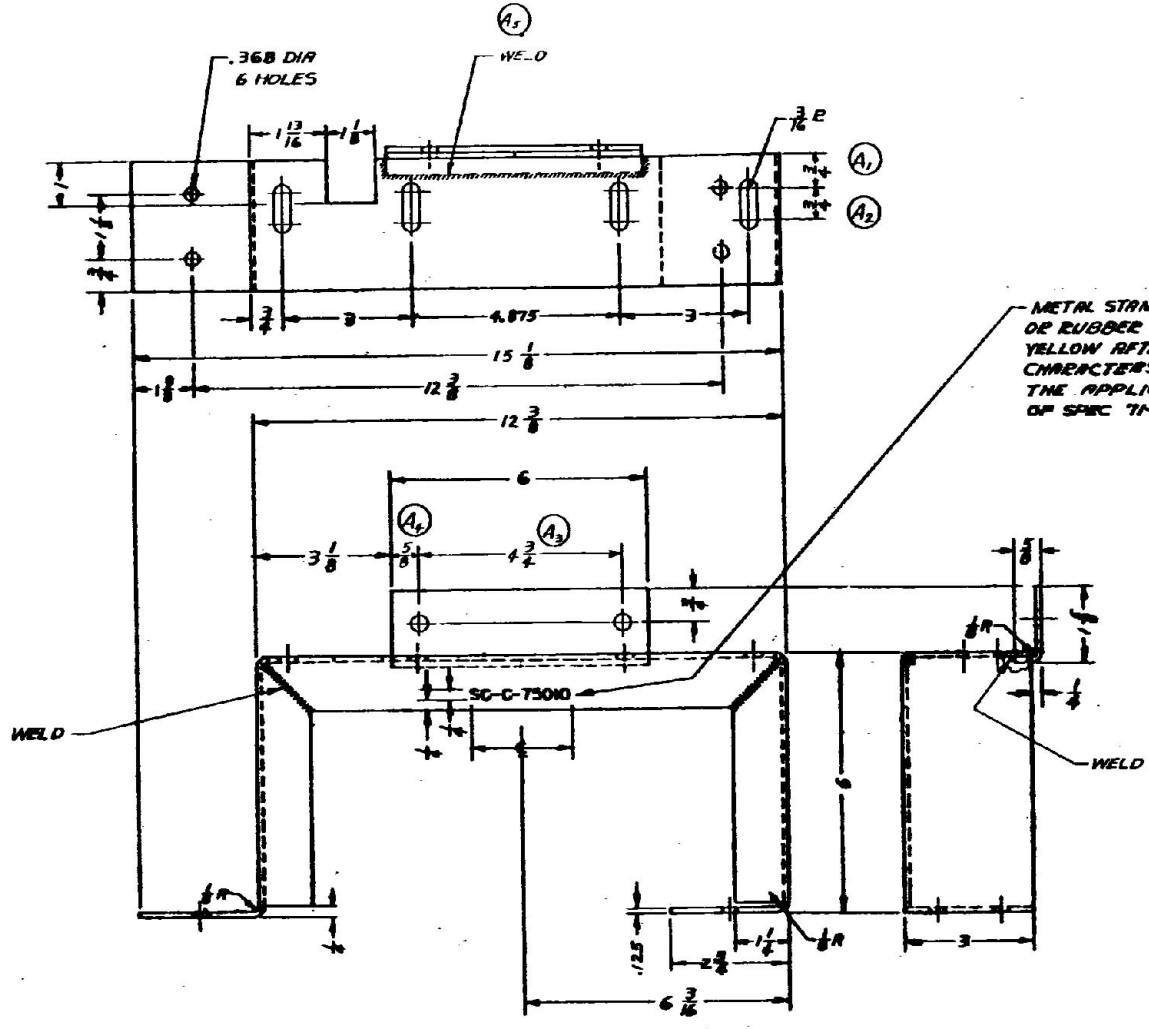
SG-C-28687

FORM NO FORM 640 (16 APR 63)

1. THIS DRAWING IS UNCLASSIFIED
 2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF THE HOLE OR THE CENTERLINE OF THE CHANNEL OR THE FACE OF THE MATERIAL UNLESS INDICATED OTHERWISE.
 3. DIMENSIONS IN PARENTHESES ARE FOR INFORMATION ONLY.
 4. DIMENSIONS IN BRACKETS ARE FOR INFORMATION ONLY.
 5. DIMENSIONS IN SQUARES ARE FOR INFORMATION ONLY.
 6. DIMENSIONS IN ROUNDED SQUARES ARE FOR INFORMATION ONLY.
 7. DIMENSIONS IN DIAMETERS ARE TO BE TAKEN TO THE CENTER OF THE HOLE.

NEXT ASSEMBLY
 SC-G-7500B
 USED LINED ON
 SC-DL-73203

REVISIONS		DRAWING NUMBER	
BY	DESCRIPTION	DATE	APPROVAL
A ₅	A ₁ WAS $\frac{1}{8}$, A ₂ WAS $\frac{3}{8}$, A ₃ WAS $\frac{1}{8}$, A ₄ WAS $\frac{1}{4}$ A ₅ WAS SPOTWELD	11 JUN 54	HJM KJZ



METAL STAMP BEFORE FINISH IS APPLIED OR RUBBER STAMP IN A PERMANENT YELLOW AFTER FINISH IS APPLIED. CHARACTERS AND MARKINGS TO MEET THE APPLICABLE TEST REQUIREMENTS OF SPEC 71-6944.

STEEL, CLASS A PER SPEC 57-114-1
 REMOVE ALL BURRS.
 ALL WELDS SHALL BE OF AMPLE SIZE WITH THOROUGH PENETRATION AND GOOD FUSION, FREE FROM ALL SURFACE DEFECTS, AND STRONGER THAN THE MATERIALS WHICH THEY JOIN.

NO.	REV. NO.	DESCRIPTION	DATE	BY	CHKD.

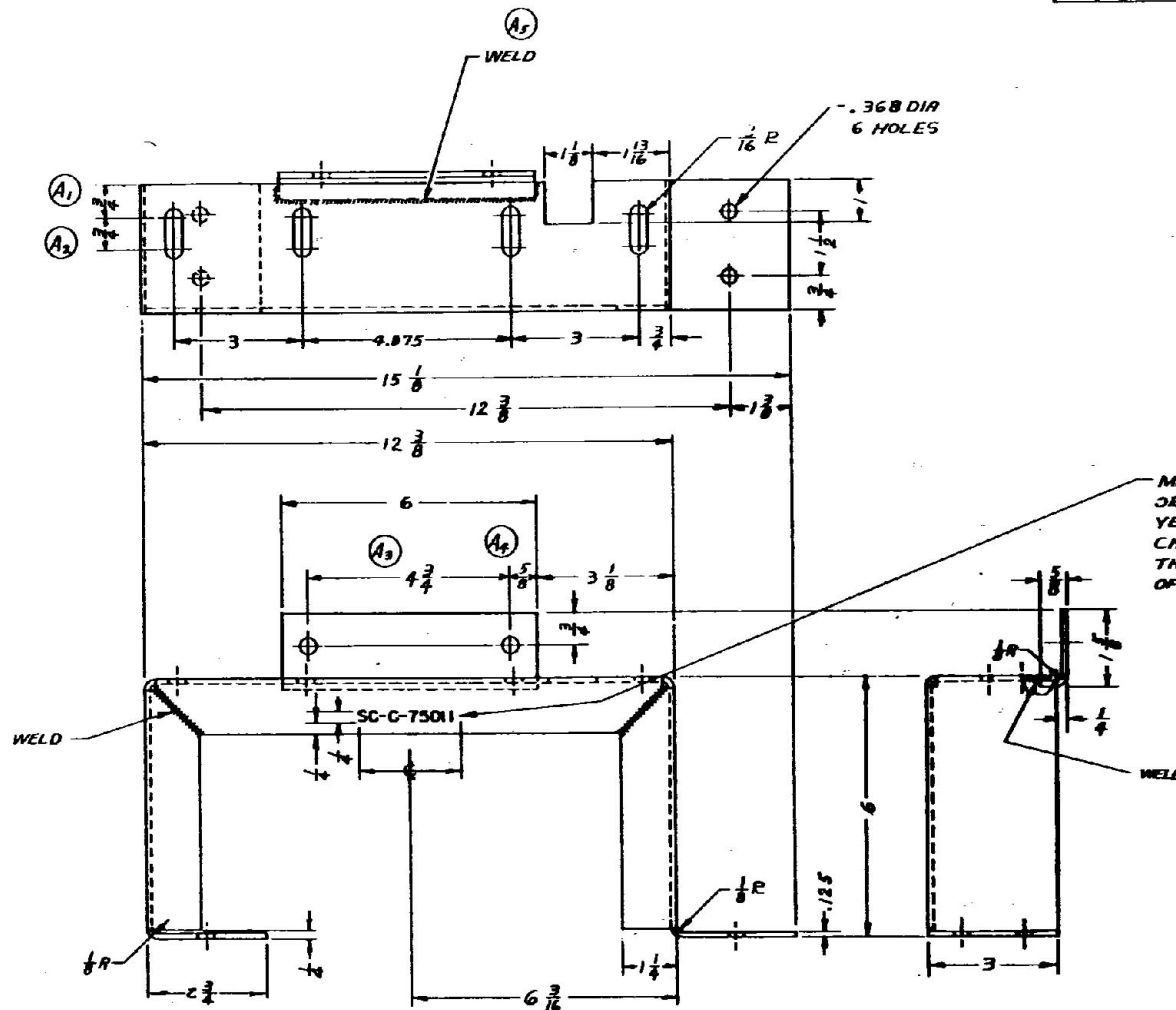
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED: FRACTIONS \pm $\frac{1}{64}$ DECIMALS \pm $.005$ ANGLES \pm COMMERCIAL TOLERANCES APPLY TO STOCK SHEET. ALL SURFACES <input checked="" type="checkbox"/>	AUTHENTICATION DRAWN HJW/LLK CHECKED PHOTO CHECKED JWB VERIFIED WJC APPROVED JMC REVIEWED HMO DATE 4 APR 53	BRACKET DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORY FORT MONMOUTH NEW JERSEY SC-C-75010 GRADE 1/2 90-3A5(DWG 90-3)
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WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL AND DATE

1. This drawing is the property of the Signal Corps and is loaned to you for use only on the project specified. It is not to be distributed outside the project, nor is it to be used for any other purpose. 2. This drawing is to be used in conjunction with the specifications, drawings, and data furnished with it. 3. It is the responsibility of the contractor to determine the applicability of this drawing to the project. 4. It is the responsibility of the contractor to determine the applicability of this drawing to the project. 5. It is the responsibility of the contractor to determine the applicability of this drawing to the project. 6. It is the responsibility of the contractor to determine the applicability of this drawing to the project. 7. It is the responsibility of the contractor to determine the applicability of this drawing to the project. 8. It is the responsibility of the contractor to determine the applicability of this drawing to the project. 9. It is the responsibility of the contractor to determine the applicability of this drawing to the project. 10. It is the responsibility of the contractor to determine the applicability of this drawing to the project.

NEXT ASSEMBLY SC-C-7500B
 PART USED ON SC-DL-75205

REVISIONS		ORIGINAL ISSUE SYMBOL-A	
SYM	DESCRIPTION	DATE	APPROVAL
A ₅	A ₁ WAYS 1 ³ / ₁₆ , A ₂ WAYS 7 ³ / ₁₆ , A ₃ WAYS 4, A ₄ WAYS 1 A ₅ WAYS SPOTWELDED.	NOV 1954	W. J. ... M. J. ...



METAL STAMP BEFORE FINISH IS APPLIED OR RUBBER STAMP IN A PERMANENT YELLOW AFTER FINISH IS APPLIED. CHARACTERS AND MARKINGS TO MEET THE APPLICABLE TEST REQUIREMENTS OF SPEC 71-4944.

STEEL, CLASS A PER SPEC 57-114-1
 REMOVE ALL BURRS.
 ALL WELDS SHALL BE OF AMPLE SIZE WITH THOROUGH PENETRATION AND GOOD FUSION, FREE FROM ALL SURFACE DEFECTS, AND STRONGER THAN THE MATERIALS WHICH THEY JOIN.

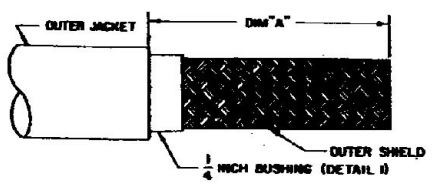
REQD	PART NO.	DESCRIPTION	MATL.	SPEC.	NOTE
WELDS OTHERWISE SPECIFIED	AUTHENTICATION	BRACKET			
DIMENSIONS ARE IN INCHES	APPROVED BY				
FRACTIONS ± 1/64	CHECKED BY				
DECIMALS ± .005	VERIFIED BY				
ANGLES ±	APPROVED BY	SC-C-75011			
COMMERCIAL TOLERANCES APPLY TO STOCK SIZES	REVIEWED BY				
ALL SURFACES	DATE	SCALE	FINISH	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY	

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DATE REVISED BY
 PREPARED BY

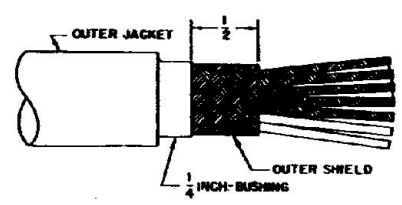
10 APR 50
 C. REVISED & REORAN

FIGURE 1



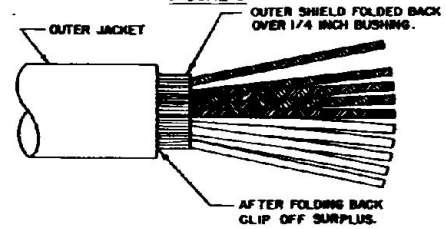
STEP 1 - CUT CABLE TO DESIRED LENGTH.
 STEP 2 - CUT BACK OUTER JACKET TO DIM "A", SHOWN IN TABLE I.
 STEP 3 - PLACE 1/4 INCH BUSHING OVER OUTER SHIELD.

FIGURE 2



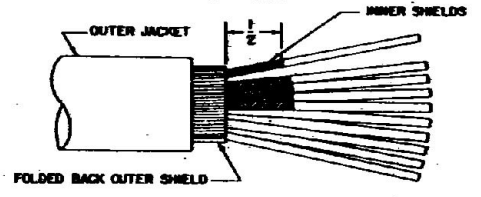
STEP 4 - CUT OUTER SHIELD TO 1/2 INCH FROM 1/4 INCH BUSHING.

FIGURE 3



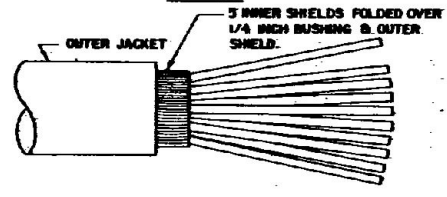
STEP 5 - UNBRAID OUTER SHIELD AND FOLD BACK OVER 1/4 INCH BUSHING, CLIP OFF SURPLUS EVEN WITH OUTER JACKET.

FIGURE 4



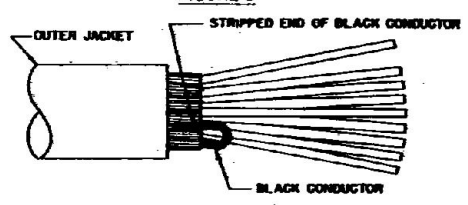
STEP 6 - CUT BACK 5 INNER SHIELDS TO 1/2 INCH FROM 1/4 INCH BUSHING.

FIGURE 5



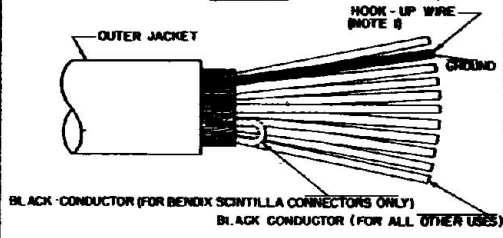
STEP 7 - UNBRAID 5 INNER SHIELDS AND FOLD BACK OVER 1/4 INCH BUSHING AND FOLDED OUTER SHIELD. CLIP OFF SURPLUS AS IN STEP 5. (CAUTION SHOULD BE TAKEN TO BRING ALL STRANDS OF INNER SHIELDS TO THE OUTSIDE, THUS ALLOWING NO SHORT STRANDS TO REMAIN BETWEEN THE CONDUCTORS.)

FIGURE 6



STEP 8 - (FOR BENDIX-SCINTILLA CONNECTORS ONLY) CUT BLACK CONDUCTOR 1 INCH FROM 1/4 INCH BUSHING AND STRIP OFF INSULATION 3/8 INCH FROM END. BEND BACK AND LAY ON TOP OF OUTER AND INNER FOLDED SHIELDS.

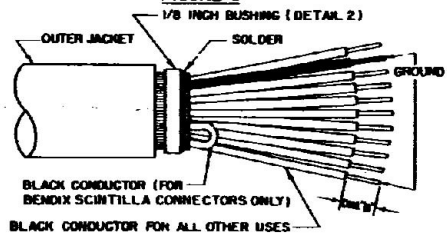
FIGURE 7



(ONE GROUND CONDUCTOR FOR BENDIX SCINTILLA CONNECTORS.)
 TWO GROUND CONDUCTORS FOR ALL OTHER USES.

STEP 9 - CUT LENGTH OF HOOK-UP WIRE TO DIM "A", TABLE I. STRIP OFF INSULATION 3/8 INCH FROM END AND PLACE OVER OUTER & INNER SHIELDS.

FIGURE 8

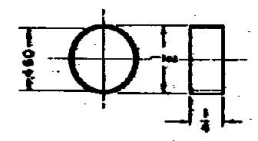


STEP 10 - PLACE 1/8 INCH BUSHING OVER FOLDED-BACK SHIELDING, HOOK-UP WIRE AND BLACK CONDUCTOR. (IF USED) SOLDER ALONG FRONT EDGE OF 1/8 INCH BUSHING, MAKING CERTAIN SOLDER PENETRATES SHIELDING. ASSEMBLY MUST NOT EXCEED OUTSIDE DIAMETER OF OUTER RUBBER JACKET.
 STEP 11 - STRIP ENDS OF CONDUCTORS TO DIM "B", TABLE I, AND TIN.

TABLE I

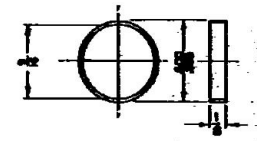
	DIM "A"	DIM "B"
CONTROL BOX C-373/VRC	5	3/8
MOUNTINGS MT-300/GR, MT-297/GR, MT-298/GR, MT-299/GR, MT-327/GR,	6	1/2
BENDIX-SCINTILLA CONNECTORS SIZE 28 SHELL	3/8	3/16
TURRET TERMINAL BOX IN MEDIUM TANK M 48	10	3/8
BENDIX-SCINTILLA CONNECTORS SIZE 22 SHELL	1 1/2	1/2
TERMINAL BOX SG-D-3319	8	3/8
CONNECTOR U-115/U, U-115/U, U-117/U, (NOTE 2)	2 1/4	

DETAIL 1



BUSHING BRASS, CONDITION LIGHT ANNEAL, PER SPEC 57-191 MAY BE DEVELOPED FROM 1/8 STOCK, NO. 20 U.S. GAUGE.

DETAIL 2



BUSHING BRASS, CONDITION LIGHT ANNEAL, PER SPEC 57-191 MAY BE DEVELOPED FROM 1/8 STOCK, NO. 20 U.S. GAUGE.

SUPERSEDES SC-C-28209-B

UNLESS OTHERWISE SPECIFIED

DESIGNED BY: DRETZ
 CHECKED BY: DRETZ
 DRAWING NO.: 100000000
 APPROVED BY: S.T.
 DATE: 10 APR 50

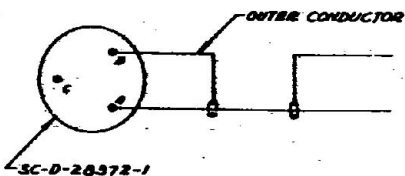
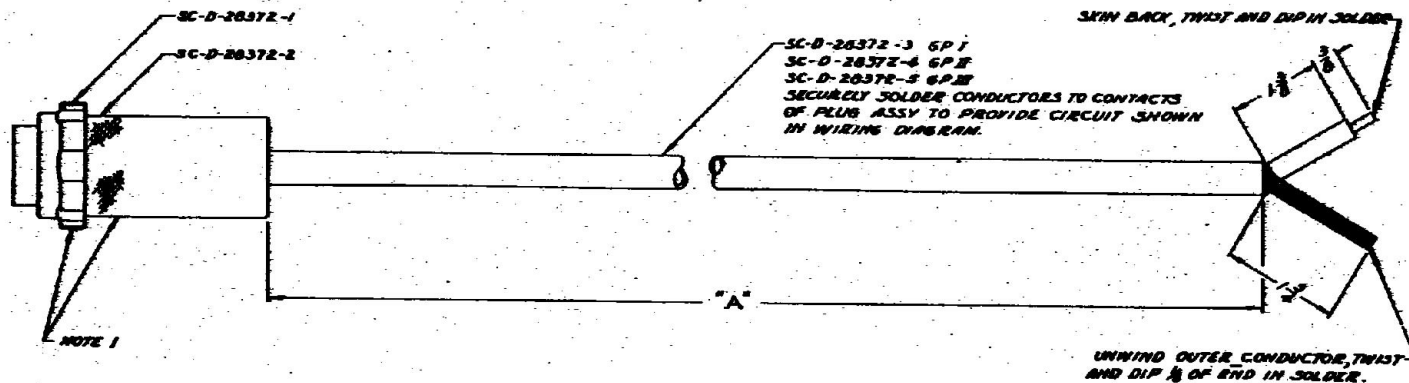
PREPARATION OF CABLE
 WM-46/U

DEPARTMENT OF THE ARMY
 SIGNAL CORPS ENGINEERING
 LABORATORIES

FIG. NO.: SC-D-28209

NOTE:
 1- SUPPLIED BY SCINTILLA MAGNETO DIVISION, BENDIX AVIATION CORPORATION, SIDNEY, N.Y., OR EQUAL.
 2- FOR CABLE PREPARATION AND ASSEMBLY OF CONNECTOR SEE SC-C-80488.
 3- SOLDER SHALL BE COMPOSITION 50/50 PER SPEC QQ-S-571.
 4- ABBREVIATIONS ARE PER JAN-37D-12.

THIS DRAWING AND DRAWINGS, SPECIFICATIONS AND PUBLICATIONS REFERENCED, AND THEIR SUBSIDIES, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS.



WIRING DIAGRAM

GROUP NO.	ASST. NO.	A DIMENSION
GROUP I	- 3	7 FEET 3 1/2 INCH
GROUP II	- 4	8 FEET 2 1/2 INCH
GROUP III	- 5	10 FEET 2 1/2 INCH
GROUP IV	- 6	13 FEET 2 1/2 INCH

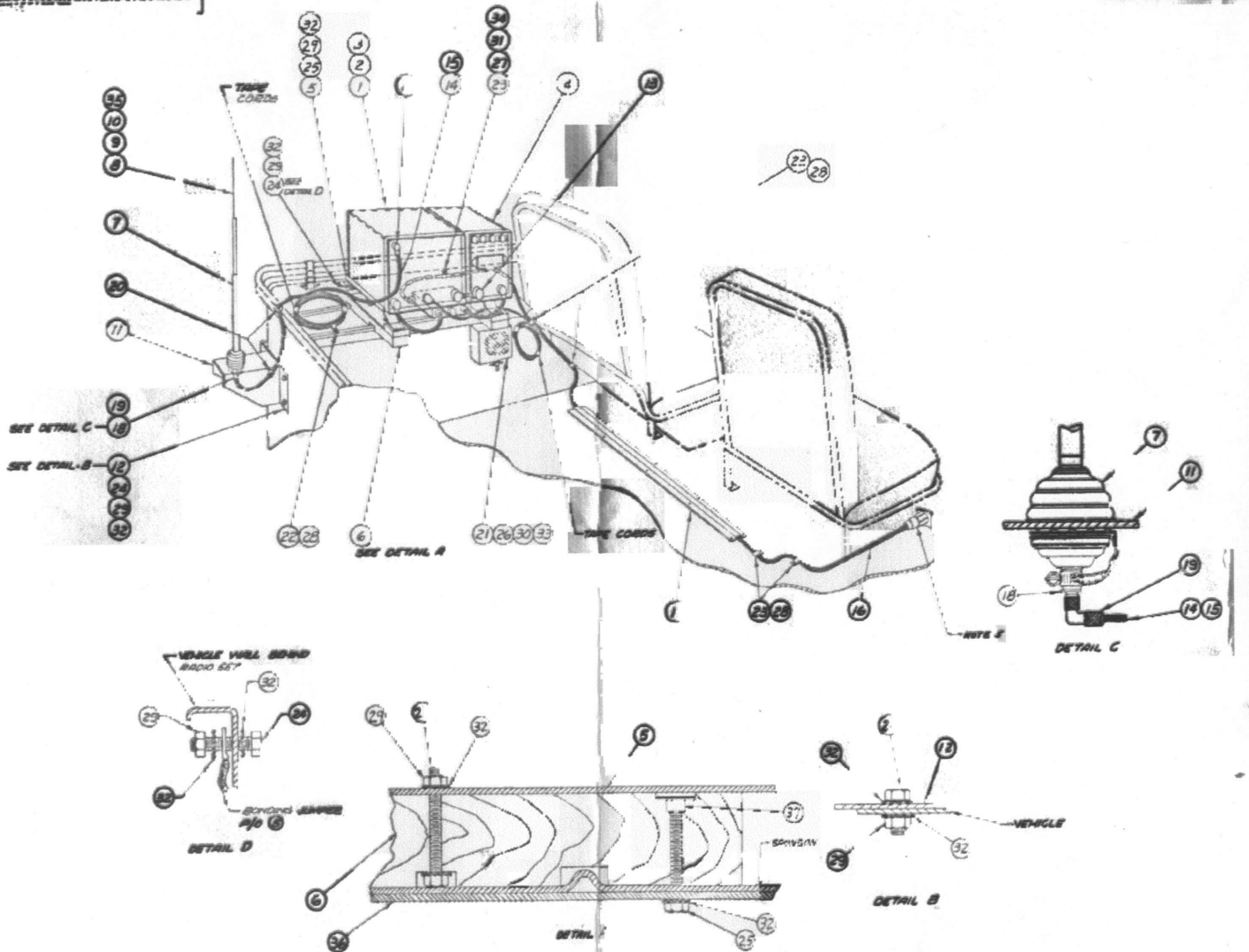
REV	DATE	BY	CHKD	DESCRIPTION	DATE	BY	NOTE
1				- 6			
1				- 5			
		1		- 4			
		1		- 3			
1	1	1	1	- 2			
1	1	1	1	SC-D-28372-1			

GROUP IV	GROUP III	GROUP II	GROUP I
CHECKED BY: _____ DRAWN BY: _____ DESIGNED BY: _____ APPROVED BY: _____ DATE: 14 FEB 51			
POWER CORD			
SC-D-28372			

ALL TO FORM AND USE AS SHOWN
 THIS DRAWING IS THE PROPERTY OF THE SIGNAL CORPS ENGINEERING LABS. IT IS TO BE KEPT IN A SAFE PLACE AND NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE SIGNAL CORPS ENGINEERING LABS.

BEST ASSEMBLY WHEN USED IN

REV	DESCRIPTION	DATE	APPROVAL
B	NOTE F ADDED TITLE REFERRED TO INCLUDE MASH		
C	DETAIL D ADDED, DETAIL A REVISED		



NOTE
 1-UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
 2-SHEET METAL SCREW, TYPE "2", AS SUPPLIED BY
 ARROW-HOLD, NEW YORK, N.Y. OR EQUAL.
 3-NO. 4018-24-00, 4-NO. 4014-20-00, AND 5-NO. 4010-18-00.
 ALL STEEL COMPONENTS PLATED, AS SUPPLIED BY BUNKPROOF
 INC., CHICAGO, ILL. OR EQUAL.
 6-DRILLING DETAILS SEE SC-D-28505.
 7-1/4" RADIO POWER FEED, BARNHART CORP. STOCK NO.
 6729-170100 (REQUISITION FROM ORDINANCE COPY) AND INSTALL
 BY TYPING IN TROUBLESHOOTING MANUAL AND HIGHLIGHTING ON ALL
 TRACKS, 1/2 TON, M38A1.
 8-SUPPLIED BY UNITED CORP. FURTHER CORP., CAMBRIDGE, MASS.
 OR EQUAL.

RADIO SET AN/VRC-10			
RADIO SET AN/VRC-9			
RADIO SET AN/VRC-8			
ITEM NO.	NAME OF ITEM	QUAN. REQ.	REMARKS
1	RECEIVER TRANSMITTER 27-66/SEC	1	
2	RECEIVER TRANSMITTER 27-67/SEC	1	
3	RECEIVER TRANSMITTER 27-64/SEC	1	
4	POWER SUPPLY 1P-12/SEC	1	
5	MOUNTING MT-255/50	1	
6	BRACES	2	SEE SC-C-28600
7	MAST BASE MB-15/50	1	
8	MAST SECTION MB-16-B	1	
9	MAST SECTION MB-17-A	1	
10	MAST SECTION MB-18-B	1	
11	MAST BRACKET MB-50	1	
12	BRACKET ASSEMBLY	1	SEE SC-C-28591
13	SPECIAL PURPOSE CABLE ASSEMBLY CS-12/1U	1	
14	SP. CABLE ASSEMBLY CS-55/1U (50 M)	1	
15	SP. CABLE ASSEMBLY CS-55/1U (50 M)	1	
16	CORD GROUP III	1	SEE SC-D-28572
17	CABLE	1	SEE SC-C-28550
18	ADAPTER US-578/U	1	
19	ADAPTER US-586/U	1	
20	LOCKWASHER 5/16-18-24	2	
21	DYNAMIC LOCKWASHER LS-106/U	1	
22	CLAMP RED-BLACK	1	SEE SC-D-28130
23	CLAMP NO. 4	1	
24	MEX NO. CAP SCR 5/16-24 X 1/2 LONG	8	
25	MEX NO. CAP SCR 5/16-24 X 1/2 LONG	8	
26	MEX NO. CAP SCR 5/16-28 X 1/2 LONG	1	
27	MEX NO. CAP SCR NO. 10-32 X 1/2 LONG	1	
28	NO. 10 SHEET METAL SCR NO. 10 X 1/2 LONG	18	NOTE 2
29	MEX NUT 5/16-24	18	
30	MEX NUT 5/16-28	2	
31	MEX NUT NO. 10-32	2	
32	LOCKWASHER 5/16-18-24	2	NOTE 3
33	LOCKWASHER 5/16-18-24	2	
34	LOCKWASHER NO. 10-32	2	
35	MAST SECTION MB-24/50	1	
36	ANTENNA	1	SEE SC-D-18334
37	TEE NUT 5/8-20	1	NOTE 4

VRC-10

APPROVED WHERE AUTHORIZED FOR ALL A P P UNITS, FOR THE S.C. & F. BY CORRESPONDENCE:
 DATE: 14 OCT 47 FILE NO. 47-217-5-118
 APPROVED SIGNAL CORPS, DATE 27 NOV 47
 FOR CHIEF S.C.E.
 APPROVED FOR THE CHIEF SIGNAL OFFICER
 SIGNAL CORPS, DATE 27 NOV 47
 COLES SIGNAL LABS SIGNAL CORPS ENGINEERING LABS

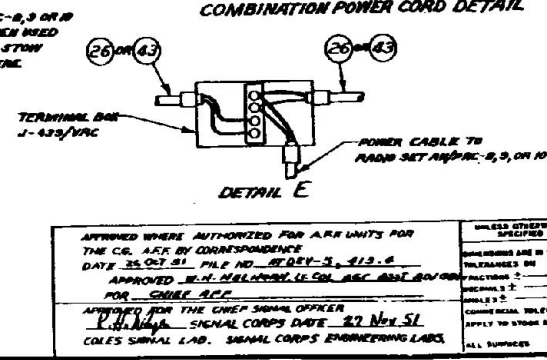
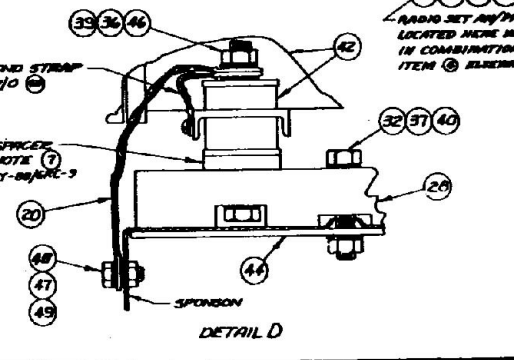
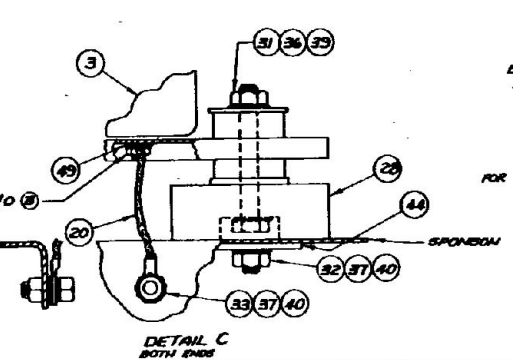
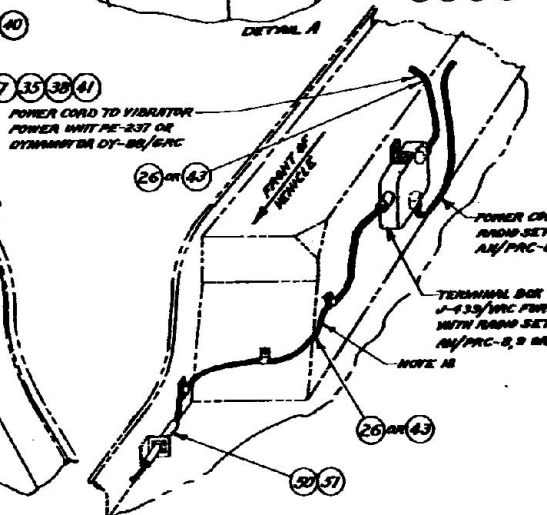
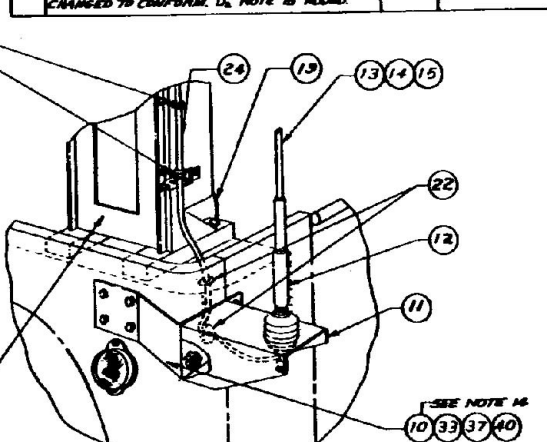
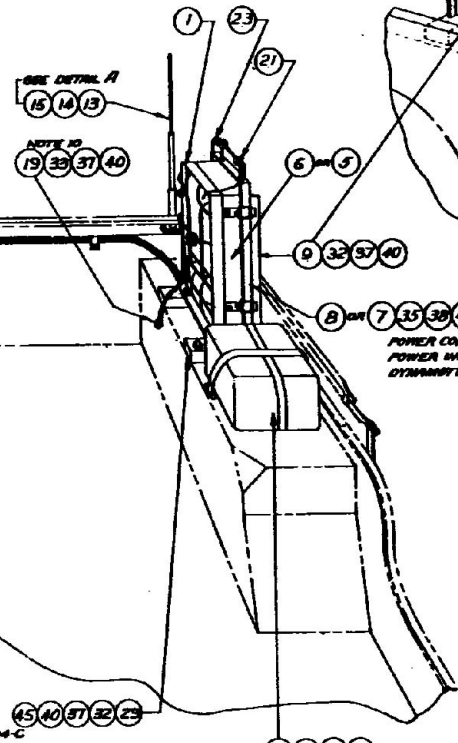
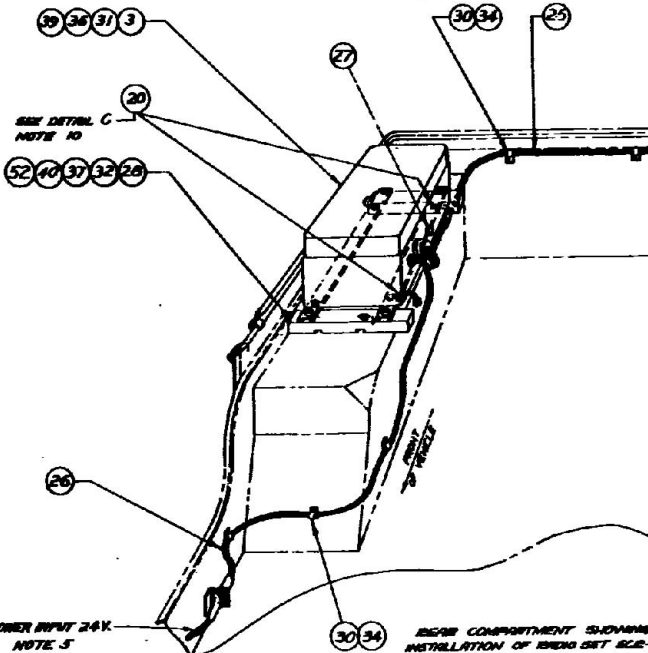
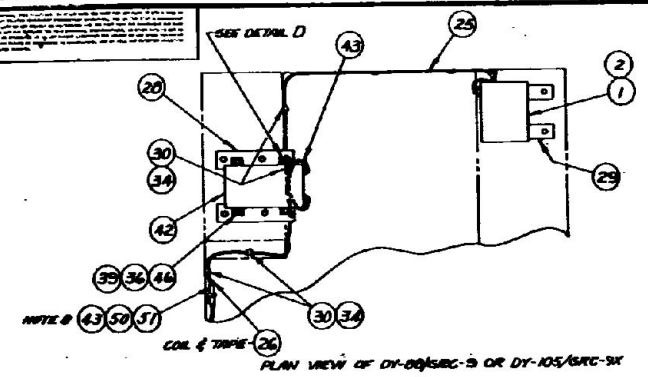
AUTHENTICATION TRACK SAULTZ TRACK PHOTO CHECKED RECEIVED APPROVED RETRIEVED ALL PARTS DATE 3 JAN 48	INSTALLATION OF RADIO SETS AN/VRC-8 TO 10 IN TRUCK, UTILITY, 1/4 TON, 4 X 4, M38, M38A1	SKETCH OF THE UNIT MODEL, SERIAL NUMBER LABORATORY UNIT NUMBER NEW JERSEY SC-D-28605
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WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL, AND DATE

NOTES CONTINUED:
 15. DYNAMOMETER POWER SUPPLY DY-106/GR-C-3X MAY BE USED IN PLACE OF DY-60/GR-C-3 OR PE-237.

SYMBOL	REVISIONS	DESCRIPTION	DATE	APPROVAL
D ₂	1	ALONE OR IN COMBINATION WITH RADIO SETS AN/PRC-8, 9, OR 10 ADDED TO TITLE. DIMS CHANGED TO CONFORM. D ₁ NOTE 15 ADDED.	1 APR 51	[Signature]

SYMBOL	REVISIONS	DESCRIPTION	DATE	APPROVAL
B	1	NOTE 5 ADDED. TITLE REVISED TO INCLUDE M38A1.	1 APR 51	[Signature]
C	1	DY-60/GR-C-3 ADDED PE-237 & REC-1477R ENCLOSED.	1 APR 51	[Signature]



NOTES:
 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
 2. (34) SHEET METAL SCREW, PHOSPHOR-BRASS MADE BY PARKSIDE-KALON, NEW YORK, N.Y. OR EQUAL.
 3. (2) NO. 4020-25-00, (40) NO. 4018-24-00, (20) NO. 404-00-00 & (4) NO. 4008-14-00 STEEL, CADMIUM PLATED AS SUPPLIED BY SPANETPROOF INC, CHICAGO ILL, OR EQUAL.
 4. DRILLING DETAIL SC-D-28621.
 5. KIT, RADIO POWER FEED, BRASS BRUSH COPPER STOCK NO. 6738-570000 (ACQUISITION FROM BRANCHES CORPS AND INSTALL ON TRACKS, 1/4 TON, M38, SERIAL NO. 47774 AND NUMBER, AND ON ALL TRACKS, 1/4 TON, M38A1).
 6. ADJUST (1) & (2) FOR 24V OPERATION.
 7. (2) THIS UNIT MAY BE SUPPLIED WITH 3/16 THICK SPACER. INSTALL PER DETAIL D.
 8. CUT OFF LEADS, GIVE INSULATION BACK 1/2 INCH, TRIMMED SHARP BY SOLDERING.
 9. (1) & (2) CUT TO PROPER LENGTH & TIN ENDS.
 10. (1) & (2) INSTALL IN APPROXIMATE LOCATION SHOWN.
 11. WASH OPERATING AT PERMANENCE ABOVE I.I.O MAG USE ONLY 1/2 INCH SECTION MS-NP-A, MS-NP-A, AND P-MS-NP-A.
 12. CUT CABLE TO PROPER LENGTH AND PREPARE ENDS AS IN NOTE 14.
 13. CONNECT AS SHOWN IN DETAIL E.
 14. INSULATION STRIP SC-D-28621 OR 1/8 IN PER DIA. SC-D-28621.
 15. INSTALL PER SC-C-28621.

ITEM NO.	NAME OF ITEM	QUANTITY	REMARKS
1	RECEIVER TRANSMITTER SC-120	1	
2	GENERATOR TRANSMITTER RT-7/GR-C-3	1	NOTE 11
3	GENERATOR POWER UNIT PE-237-1	1	NOTE 6
4	GENERATOR BR-50	1	
5	PANEL COVER CH-50/GR-C-3	1	
6	PANEL COVER M-40	1	
7	INSULATING FT-402	1	
8	WARRANTING MT-50/GR-C-3	1	
9	FRAME PA-05 (MODIFIED)	1	PER SC-D-28621
10	CONTACT ASSEMBLY	1	PER SC-C-28621
11	WASHER BRACKET SP-40	1	
12	WASHER BRACKET SP-40B	1	SEE SC-B-3884
13	WASHER SECTION MS-NP-A	3	
14	WASHER SECTION MS-NP-A	3	
15	WASHER SECTION MS-NP-A	3	
16	WASHER BRACKET SP-40	1	
17	STRAP ST-42	1	
18	STRAP ST-42	1	
19	WARRANTING JUMPER GROUP 1	1	PER SC-B-28699
20	WARRANTING JUMPER GROUP 1	1	PER SC-C-28613
21	INSULATOR IV-40	1	
22	CONTACT PA-40-4316	2	
23	WIRE M-40 (4 FT 6 IN LG)	1	
24	WIRE M-40 (2 FT 6 IN LG)	1	
25	CORD CD-404 (7 FT LG)	1	
26	POWER CORD OR II	1	PER SC-D-28172
27	PLUS	1	PER SC-C-28699
28	SPACER	2	PER SC-B-28697
29	SPACER	2	PER SC-B-28699
30	CLAMP	2	PER SC-A-28137
31	WASHER BRACKET SP-40	1	
32	WASHER BRACKET SP-40B	1	
33	WASHER SECTION MS-NP-A	10	
34	WASHER SECTION MS-NP-A	10	
35	WASHER SECTION MS-NP-A	10	
36	WASHER BRACKET SP-40	10	
37	WASHER BRACKET SP-40B	10	
38	WASHER BRACKET SP-40	10	
39	WASHER BRACKET SP-40B	10	
40	LOCKWASHER "B" SET	40	
41	LOCKWASHER "B" SET	40	
42	DYNAMOMETER DY-60/GR-C-3 (NOTE 1)	1	NOTE 15
43	CONTACT ASSEMBLY CH-50/GR-C-3 (NOTE 4)	1	
44	CONTACT ASSEMBLY CH-50/GR-C-3 (NOTE 4)	1	PER SC-B-28699
45	CONTACT ASSEMBLY CH-50/GR-C-3 (NOTE 4)	1	PER SC-B-28699
46	CONTACT ASSEMBLY CH-50/GR-C-3 (NOTE 4)	1	
47	WASHER BRACKET SP-40	1	
48	WASHER BRACKET SP-40B	1	
49	WASHER SECTION MS-NP-A	2	
50	WASHER SECTION MS-NP-A	2	
51	WASHER SECTION MS-NP-A	1	
52	TERMINAL, ELECTRICAL, REF STD 640-1	2	

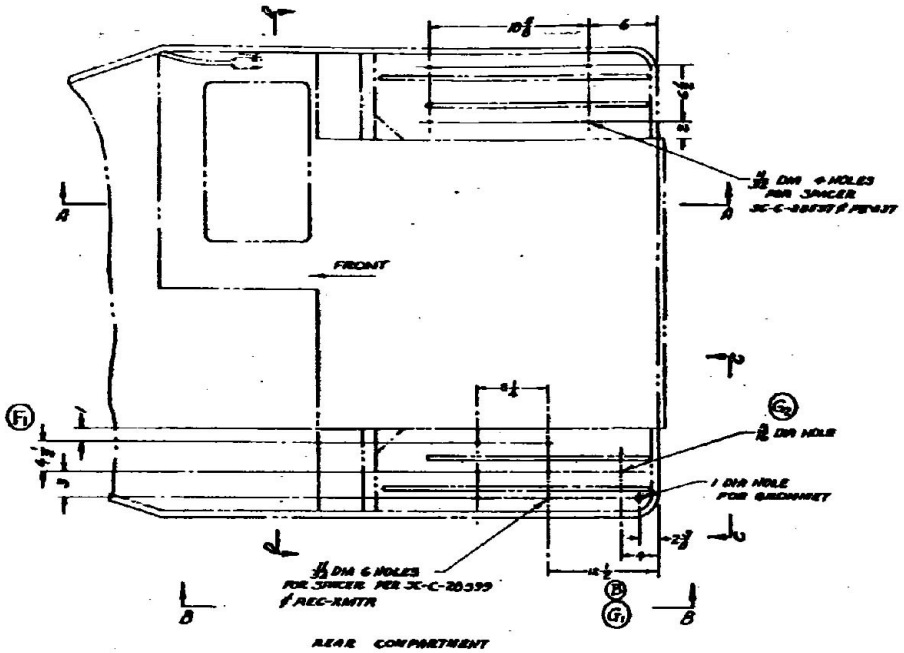
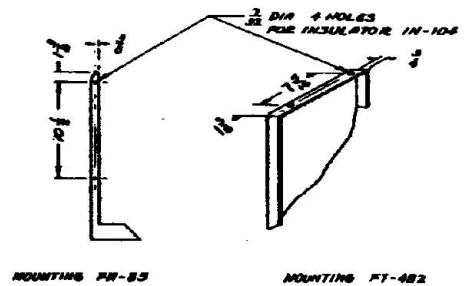
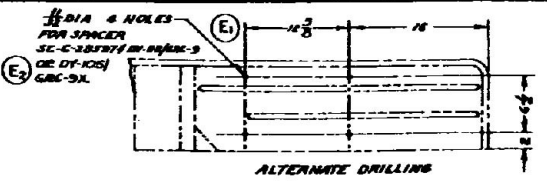
APPROVED WHERE AUTHORIZED FOR AFR UNITS FOR THE CG. AFR BY CORRESPONDENCE DATE 26 OCT 51 FILE NO. 870EY-3, 413.6 APPROVED W.H. NELSON, USMC, ABC 888/6000 FOR SHIP A.P.C.
 APPROVED FOR THE CHIEF SIGNAL OFFICER U.S. ARMY SIGNAL CORPS DATE 22 Nov 51 COLS SIGNAL LAB. SIGNAL CORPS ENGINEERING LAB.

ISSUED	REVISED	DESCRIPTION	DATE	BY	NOTE
		INSTALLATION OF RADIO SET AN/GR-C-3 OR SCR-634-C (ALONE OR IN COMBINATION WITH RADIO SETS AN/PRC-8, 9, OR 10) IN TRUCK, UTILITY, 1/4 TON, 4X4, M38 & M38A1			

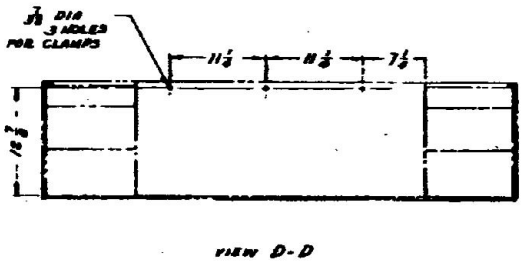
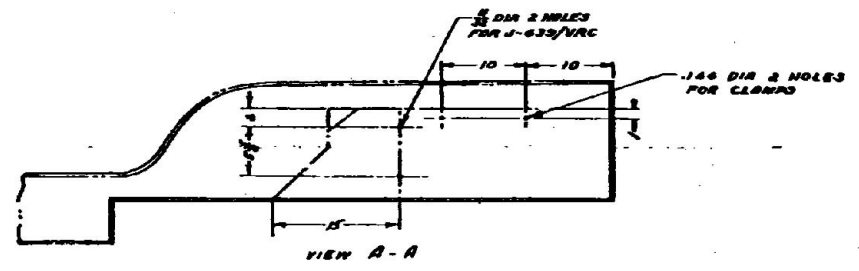
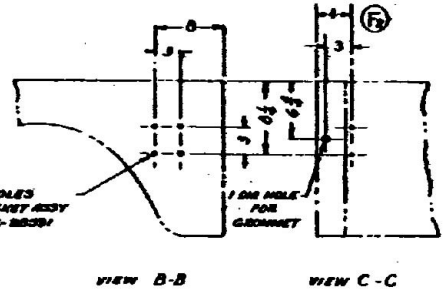
SC-D-28616

REVISIONS ISSUE A 6-11-51

REV	DESCRIPTION	DATE	BY
B	# WAS 10	6/11/51	...
C	TITLE REVISED	6/11/51	...
D	DY-99/GRC-9 DRILLING ADDED PER-2377 REC-3MTR RELOCATED	6/11/51	...
E ₁	6 VMS 12 1/2, 6 ₂ DY-99/GRC-9A	6/11/51	...
F ₁	DO 1 HOLE 3/4, 4-1/8 DIA 3-1/2, DO REVISED TO ADDS WITH BRACKET CHANGE, SC-C-2839A.	6/11/51	...
G ₁	6 VMS 12 1/2, 6 ₂ ADDED	6/11/51	...



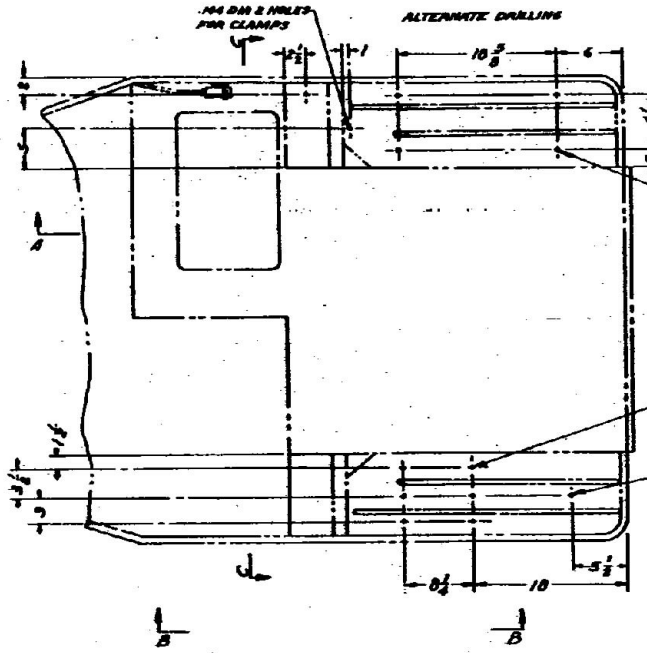
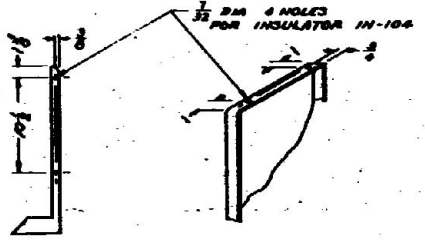
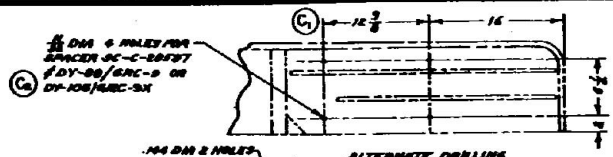
NOTE:
 1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
 2. INSTALLATION IS PER SC-D-2862.



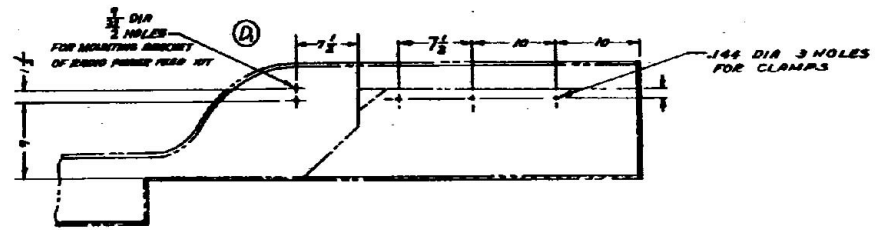
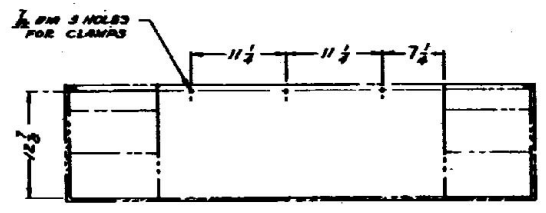
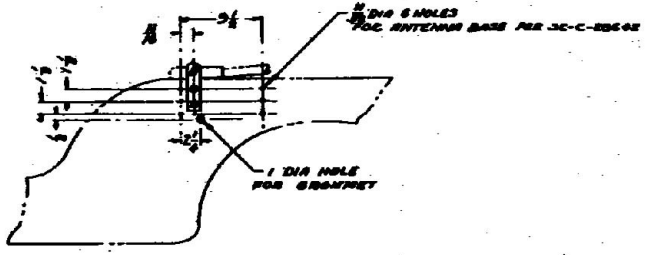
LIST OF MATERIAL		AUTHENTICATION		INSTALLATION OF RADIO SETS AN/GRC-9 OR SCR-694 IN TRUCK, UTILITY, 14 TON 4X4 M388M38A1 (REAR LOCATION) DRILLING DETAILS
QUANTITY	DESCRIPTION	DATE	BY	
				DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORY

When reference is made to this drawing (including drawings, specifications, requirements, etc.) it shall refer to the latest issue.

REVISION ISSUE A 24 JULY 57			
NO.	DESCRIPTION	DATE	INITIALS
B	DI-80/GRC-9 DRAWING ADDED/REMOVED REC-BAY HOLES RELOCATED		
C	DI-80/GRC-9 OR DI-100/GRC-9X ADDED.		
D	1/2" DIA HOLES ADDED		



NOTE:
1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
2. INSTALLATION IS PER SC-D-28622.

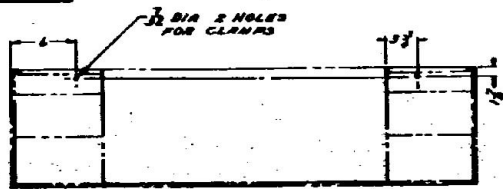


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		AUTHENTICATOR		LIST OF MATERIAL	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORY
APPROVED BY	DATE	APPROVED BY	DATE		
APPLICATOR		DATE	24 JULY 57		

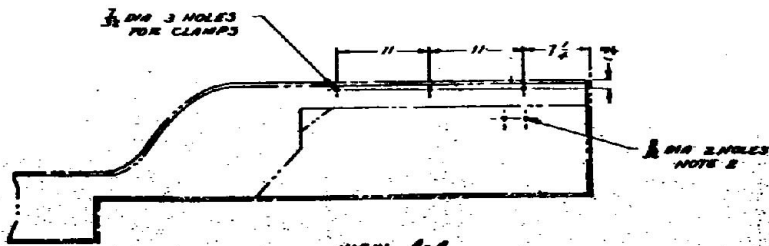
FORM NO. 10 (REV. 10-67) (SEE INSTRUCTIONS ON REVERSE SIDE)
 THIS DRAWING IS THE PROPERTY OF THE GOVERNMENT. IT IS LOANED TO YOUR ORGANIZATION AND IS NOT TO BE DISTRIBUTED OUTSIDE YOUR ORGANIZATION. IT IS TO BE RETURNED TO THE OFFICE OF ORIGIN UPON REQUEST.

REVISIONS ISSUE A 10 JULY 51

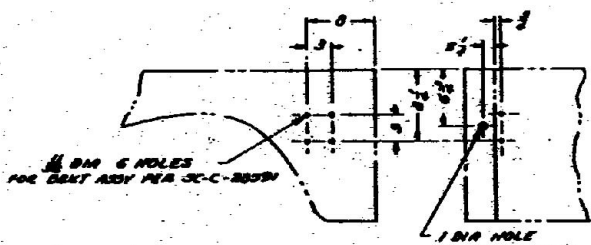
REV.	DESCRIPTION	DATE	BY	CHKD.
B	TITLE, DIMENSIONS C FT-285 DETAIL REVISED TO INCLUDE M36A1			
C	C, DETAIL D NUMBER, C, HAVE BEEN DELETED			



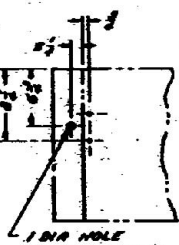
VIEW B-B



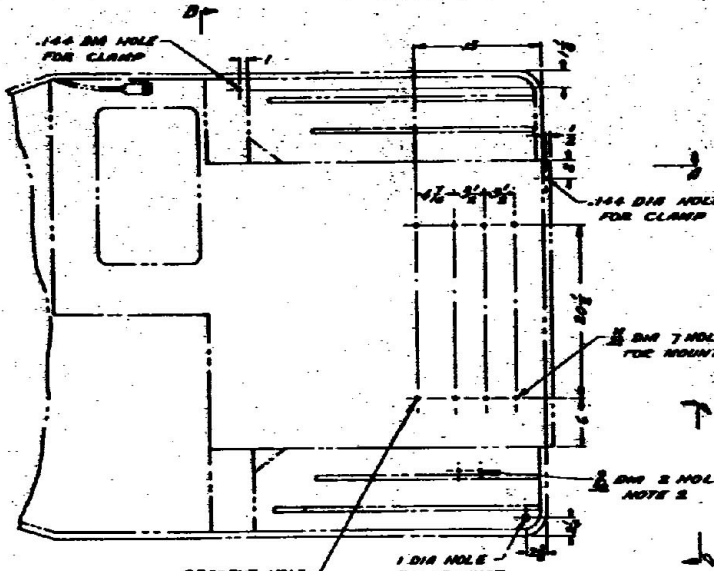
VIEW A-A FRONT OF VEHICLE



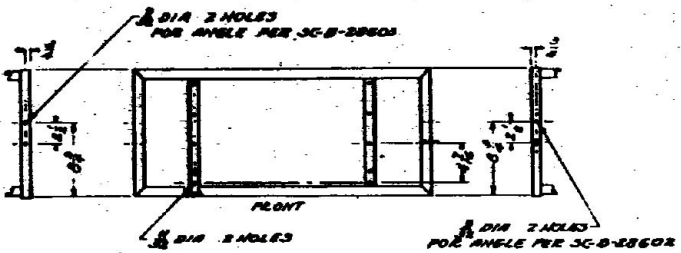
VIEW C-C



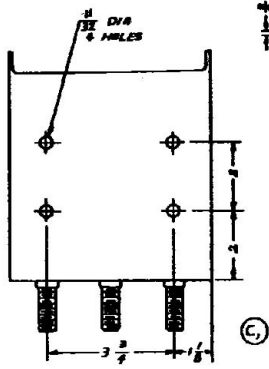
VIEW D-D



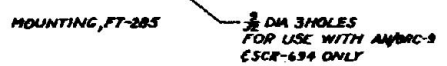
REAR COMPARTMENT



FRONT



TOP VIEW OF SPARE TIRE BRACKET DRILLING FOR ANTENNA SUPPORT RD-44716 DETAIL D



MOUNTING, FT-285

NOTES:
 1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 2. INSTALL ANGLES PER SC-B-28603 & SC-B-28603 MOUNTING, FT-285, LOCATE MOUNTING ON VEHICLE FLOOR, & USE HOLES IN ANGLES AS TEMPLATE.

LIST OF MATERIAL

ITEM NO.	QUANTITY	DESCRIPTION	UNIT	REMARKS
		INSTALLATION OF RADIO SETS AN/GRC-3 THRU 8 OR AN/VRO-1 THRU 3, IN TRUCK, UTILITY, 1/4 TON, 4X4, M38&M38A1 DRILLING DETAILS		

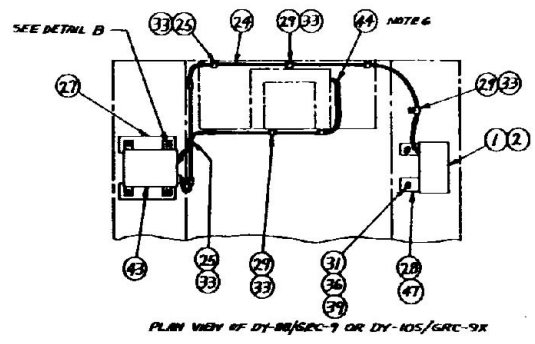
AUTHENTICATION	
DESIGNED BY	TRACY
CHECKED BY	W
APPROVED BY	W
DATE	10 JULY 51

DEPARTMENT OF THE ARMY
 SIGNAL CORPS ENGINEERING LABORATORY
 SC-D-286A

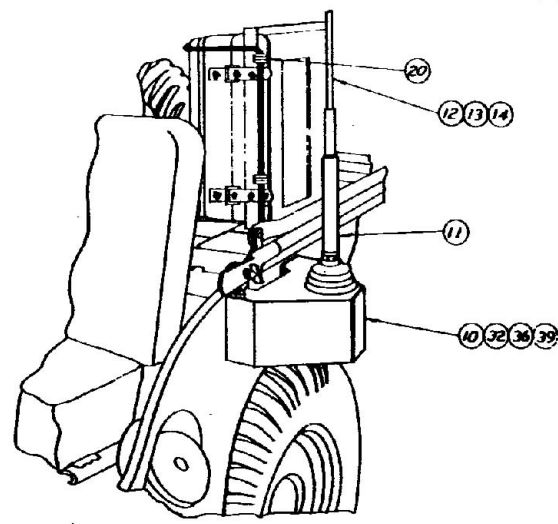
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D1 NOTE 15 ADDED

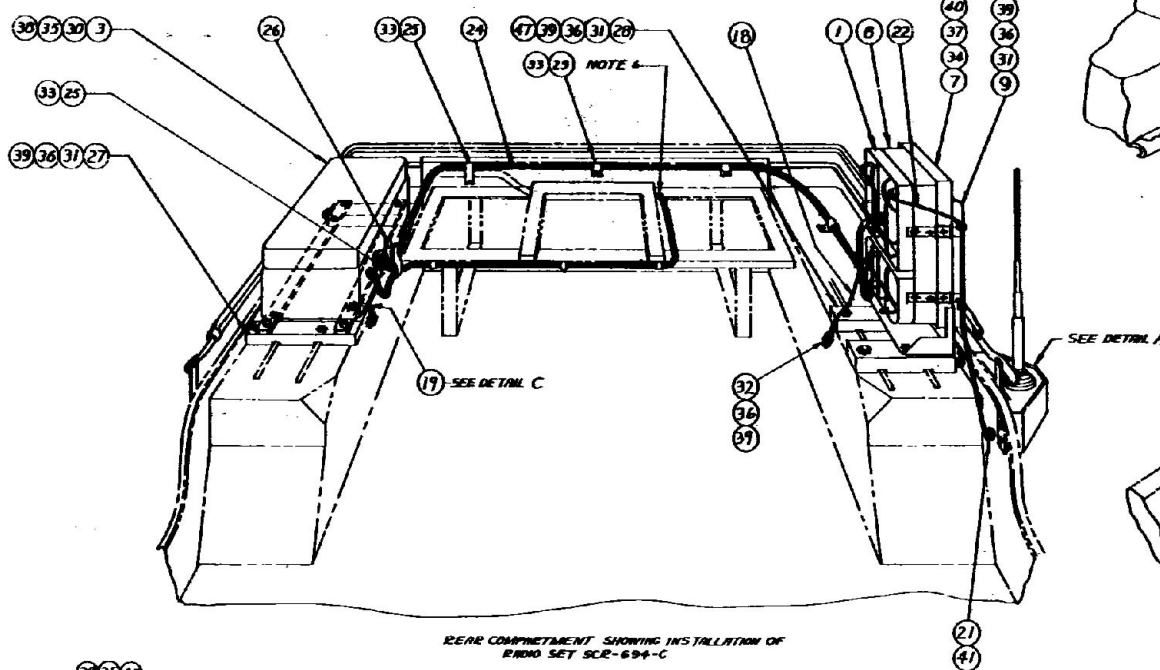
REVISED ISSUE A 27 JULY 51



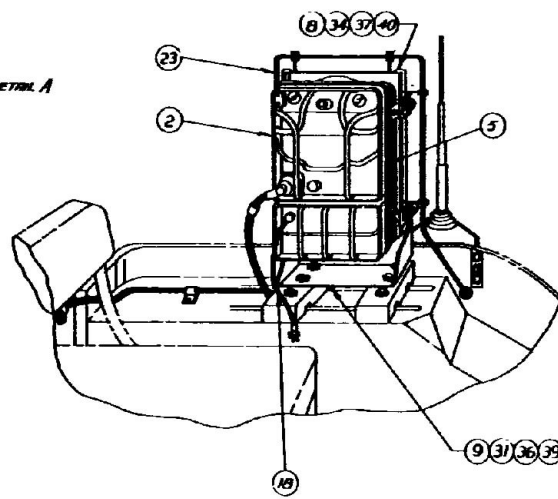
PLAN VIEW OF DY-88/GRC-9 OR DY-105/GRC-9X



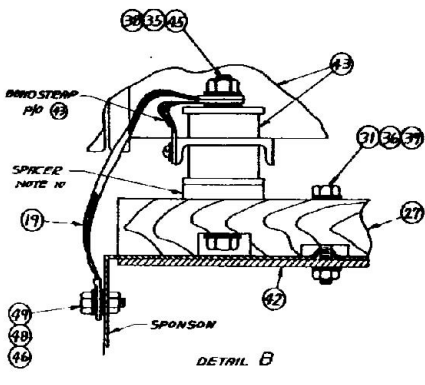
DETAIL A



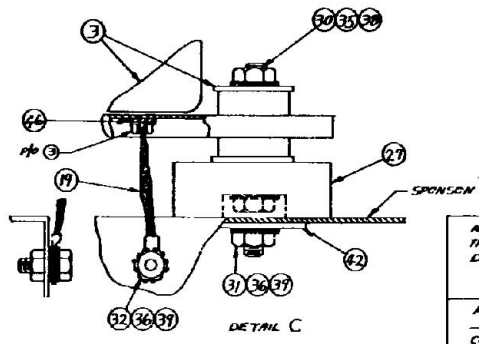
REAR COMPARTMENT SHOWING INSTALLATION OF RADIO SET SCR-694-C



VIEW SHOWING RECEIVER TRANSMITTER RT-77/GRC-9



DETAIL B



DETAIL C

ITEM NO.	NAME OF ITEM	QTY REQD	REMARKS
1	RECEIVER TRANSMITTER BC-100	1	
2	RECEIVER TRANSMITTER RT-77/GRC-9	1	NOTE 11
3	VIBRATOR POWER UNIT PE-237-11	1	NOTE B
4	GENERATOR GN-50 (NOTE 5)	1	
5	PANEL COVER CW-105/GRC-9	1	
6	PANEL COVER M-404	1	
7	RODENTING RT-402	1	
8	FRAME RT-85 (350/GRC-9)	1	
9	ANTENNA BASE RT-34 3/16	1	PER SC-D-8519
10	MAST BASE MP-65-A OR B	1	PER SC-C-28642
11	MAST SECTION MS-16-A	3	PER SC-B-28766
12	MAST SECTION MS-16-A	3	
13	MAST SECTION MS-17-A	1	
14	MAST SECTION MS-18-A	1	
15	BAG BG-175	1	
16	STRAP ST-51	1	
17	STRAP ST-52	1	
18	BONDING JUMPER GROUP 3	1	PER SC-B-27044
19	BONDING JUMPER GROUP 1	1	PER SC-C-37083
20	INSULATOR IN-104	2	
21	INSULATOR H-21U	1	
22	WIRE W-120 (3FT.LG.)	1	
23	WIRE W-120 (4FT.LG.)	1	
24	CORD CD-106 (7FT.LG.)	1	
25	CLAMP NO. 7	2	PER SC-A-8637
26	FLOR	1	
27	SPICER	2	PER SC-B-28997
28	SPICER	2	PER SC-B-28997
29	CLAMP NO. 4	9	PER SC-A-8637
30	HEX HD MACH SCR-3/8-24 X 2 1/2 LG.	10	
31	HEX HD MACH SCR-5/16-24 X 2 1/2 LG.	10	
32	HEX HD MACH SCR-3/16-24 X 2 1/2 LG.	7	
33	RD HD SHEET METAL SCR-NO. 8X 1/2 LG.	9	
34	RD HD MACH SCR-NO. 0-32 X 1/2 LG.	8	
35	HEX NUT 3/8-24	4	
36	HEX NUT 1/2-24	17	
37	HEX NUT NO. 8-32	8	
38	LOCKWASHER 3/8 IET	10	
39	LOCKWASHER 1/2 IET	10	
40	LOCKWASHER NO. 8 IET	8	
41	WASHER RUBBER	2	PER SC-A-7446
42	REINFORCEMENT	2	PER SC-B-7534
43	DYNAMOTOR DY-88/GRC-9	1	NOTE 8, 10 & 13
44	CABLE BBSY CH-20 3/16 (NOTE 9)	1	
45	HEX HD CAP SCR-3/8-24 X 3 1/2 LG.	4	
46	LOCK WASHER 1/8 IET (NOTE 9)	2	
47	REINFORCEMENT	2	PER SC-B-7534
48	HEX HD CAP SCR-1/8-28 X 1 1/2 LG.	1	
49	HEX NUT 1/8-28	1	

APPROVED WHERE AUTHORIZED FOR AFF UNITS FOR THE C.G. AFF BY CORRESPONDENCE DATE 25 OCT 51 FILE NO 87 DIV-5, 813-3
 APPROVED IN HEADQUARTERS BY COL. RBC. 25 OCT 51 FOR CHIEF S.C.E.
 APPROVED FOR THE CHIEF SIGNAL OFFICER P. H. M. SIGNAL CORPS DATE 27 NOV 51
 COL'S SIGNAL LAB. SIGNAL CORPS ENGINEERING LAB

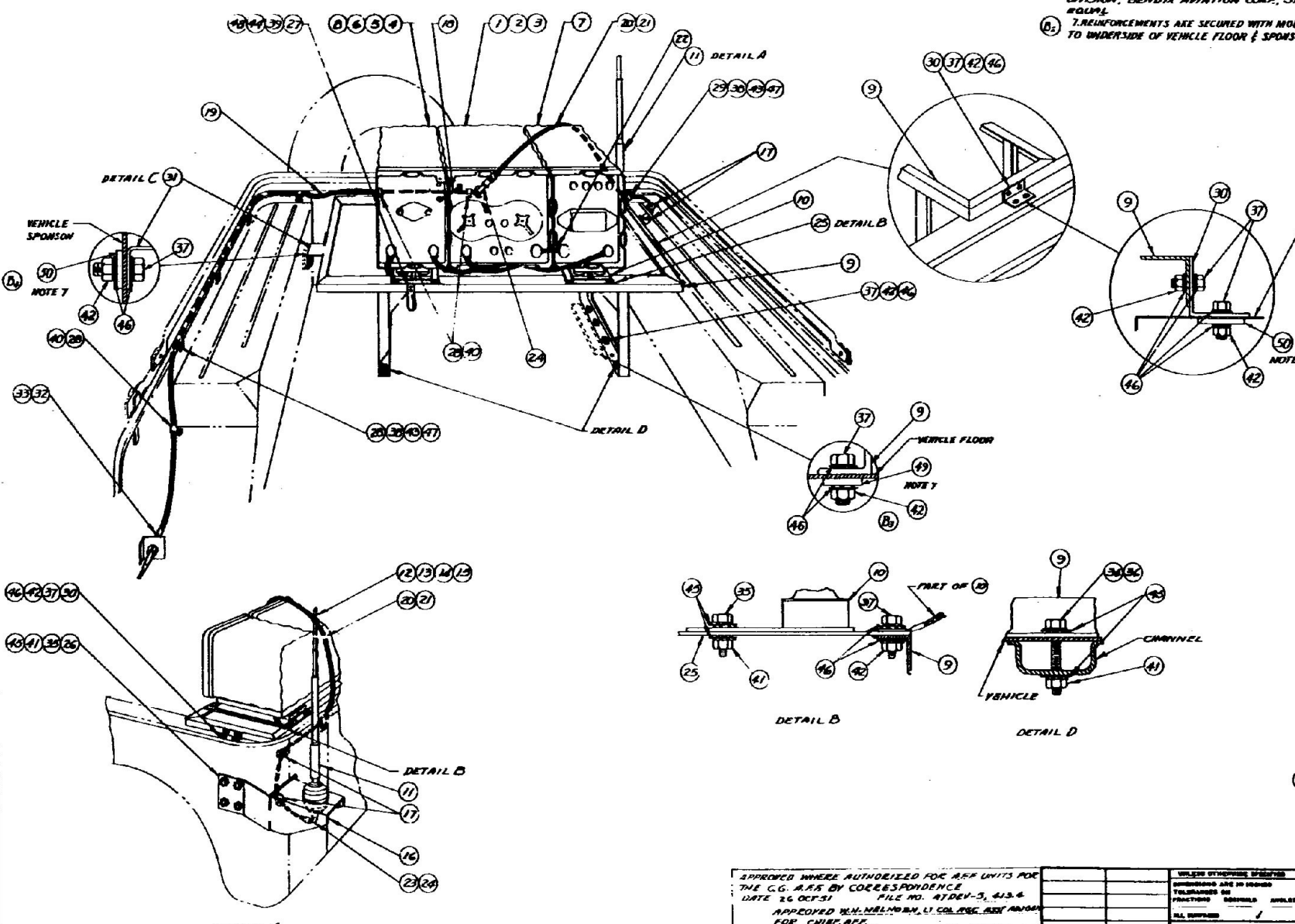
UNLESS OTHERWISE SPECIFIED	AUTHENTICATED
BY	BY
DATE	DATE
INITIALS	INITIALS
ALL SURFACES	
TEST DATE	USED ON
APPLICATION	

INSTALLATION OF RADIO SET AN/GRC-9 OR SCR-694-C IN TRUCK UTILITY, 1/2 TON, 4X4.
 MESSAGE BOARD FORWARD LOCATION FOR COMBINATION INSTALLATIONS

DEPARTMENT OF THE ARMY
 SIGNAL CORPS ENGINEERING
 LABORATORIES
 WASHINGTON, D.C.
 SC-D-28629

1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 2. (A) NO. 4018-24-00, (B) NO. 4014-2E-00, (C) NO. 4010-10-00, (D) NO. 4003-14-00, STEEL, CADMIUM PLATED, AS SUPPLIED BY SHARPPOOF INC., CHICAGO, ILL., OR EQUAL
 3. DRILLING DETAILS PER JC-D-28673
 4. (E) SHEET METAL SCREW TYPE "E" AS SUPPLIED BY PARKER-HALON, NEW YORK, N.Y., OR EQUAL
 5. RADIO SETS MOUNTED ON FLOOR PER SC-D-28675
 6. (F) (G) AS SUPPLIED BY SCINTILLA MAGNETO DIVISION, BENDIX AVIATION CORP., SIDNEY, N.Y., OR EQUAL
 7. REINFORCEMENTS ARE SECURED WITH MOUNTING HARDWARE TO UNDERSIDE OF VEHICLE FLOOR & SPANSON.

REV.	DESCRIPTION	DATE	APPROVED
01	ADDED B; NOTE TABERN NAME		
02	DETAILS ADDED		

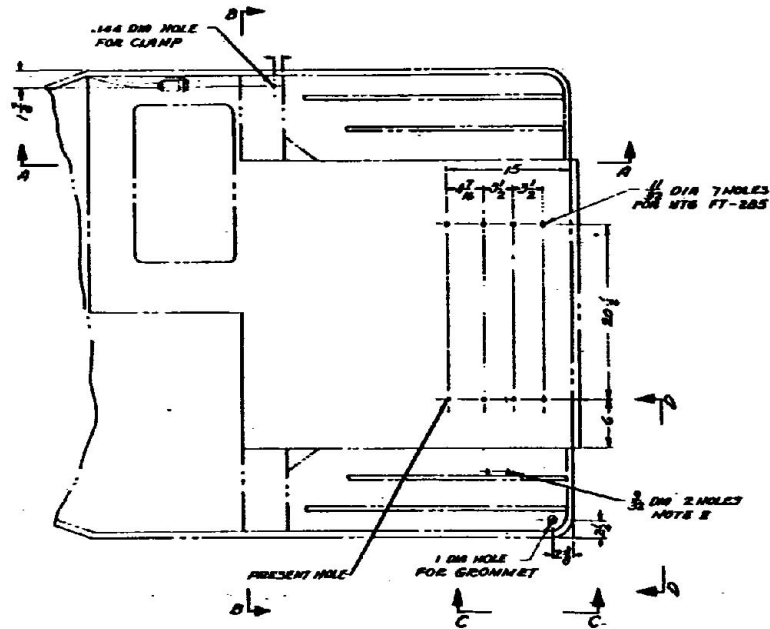
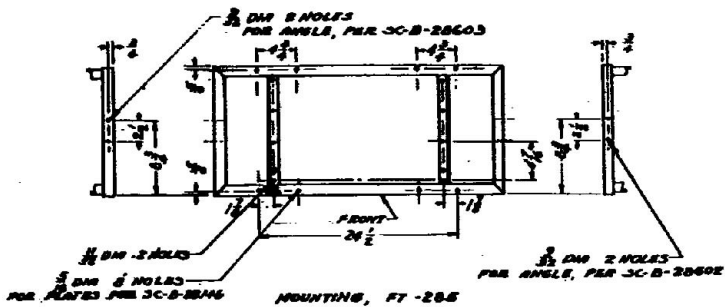
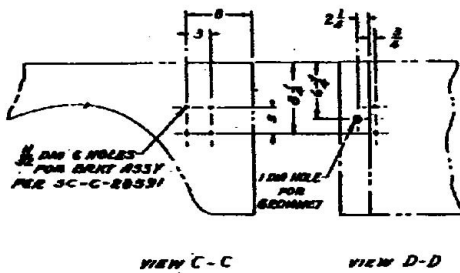
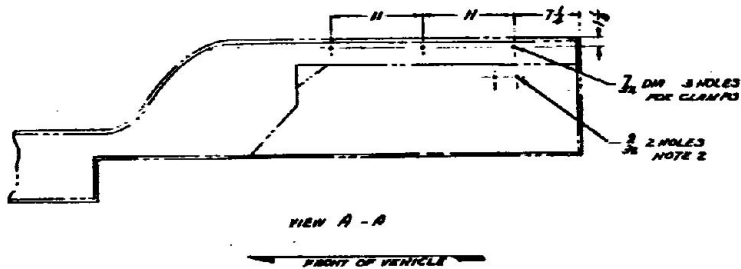
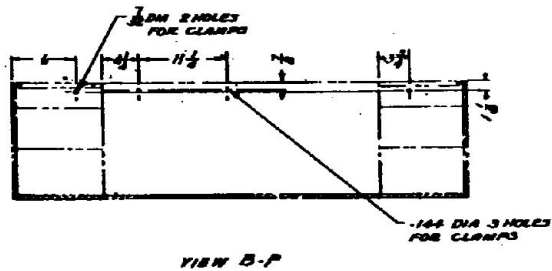


NO.	NAME OF ITEM	QTY	REMARKS
1	RECEIVER TRANSMITTER RT-66/REC		
2	RECEIVER TRANSMITTER RT-67/REC		
3	RECEIVER TRANSMITTER RT-68/REC		
4	RECEIVER RT-103/REC		
5	RECEIVER RT-103/REC		
6	RECEIVER RT-103/REC		
7	POWER SUPPLY PA-252/REC		
8	POWER SUPPLY PA-252/REC		
9	MOUNTING RT-66S		
10	MOUNTING RT-327/RR		
11	WAST BASE AB-15/BE		
12	WAST SECTION AB-24/BE		
13	WAST SECTION AB-116-A		
14	WAST SECTION AB-117-A		
15	WAST SECTION AB-118-A		
16	WAST BRACKET AB-30		
17	GEOMET AN-931-6316		
18	WIRE W-142 (6 IN. LB)		
19	CORB CO-312 (8 FT. LB)		
20	RF CABLE ASSY CB-568/UC501/REC		
21	RF CABLE ASSY CB-530/UC501/REC		
22	SPECIAL PURPOSE CABLE ASSY CP-101/REC		
23	ADAPTER UB-225/U		
24	ADAPTER UB-306/U		
25	PLATE		
26	BRACKET ASSY		
27	HOOK		
28	CLAMP NO. 4		
29	CLAMP, RED-BLACK		
30	WASLE		
31	WASLE		
32	WASLE ASSY NOTE 5		
33	WASLE ASSY		
34	HEX HD CAP SCR 5/16-24X1 1/2		
35	HEX HD CAP SCR 5/16-24X3/4 LG		
36	HEX HD CAP SCR 3/8-24X2 LG		
37	HEX HD CAP SCR 1/2-28X1 1/2 LG		
38	ED HD WASH SCR NO. 10-32X1 1/2 LG		
39	ED HD WASH SCR NO. 8-32X1 1/2 LG		
40	ED HD SHEET METAL SCR NO. 10X1 1/2 LG		
41	HEX NUT 1/4-20		
42	HEX NUT NO. 10-32		
43	HEX NUT NO. 8-32		
44	HEX NUT NO. 6-32		
45	LOCKWASHER 1/4 1ET		
46	LOCKWASHER NO. 10 1ET		
47	LOCKWASHER NO. 8 1ET		
48	LOCKWASHER NO. 6 1ET		
49	REINFORCEMENT NOTE 7		
50	REINFORCEMENT NOTE 7		

APPROVED WHERE AUTHORIZED FOR AAF UNITS FOR THE C.G. A.F.S. BY CORRESPONDENCE DATE 26 OCT 51 FILE NO. ATDEV-5, 413-4
 APPROVED W.M. NELSON, LT COL ENG. ASS. MANAGER FOR CHIEF, A.F.F.
 APPROVED FOR THE CHIEF SIGNAL OFFICER SIGNAL CORPS DATE 27 NOV 51
 C. J. M. G. COLES SIGNAL LAB SIGNAL CORPS ENGINEERING LABS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE TO REMAIN UNLESS INDICATED OTHERWISE	AUTHENTICATION
DESIGNED BY	DESIGNED BY
CHECKED BY	CHECKED BY
ALL APPROVED	DATE 27 JULY 51

LIST OF MATERIAL	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORY
INSTALLATION OF RADIO SETS AN/VRC-16 THRU 18 IN TRUCK UTILITY, 1/4 TON, 4X4, M38, (24V)	SC-D-28674

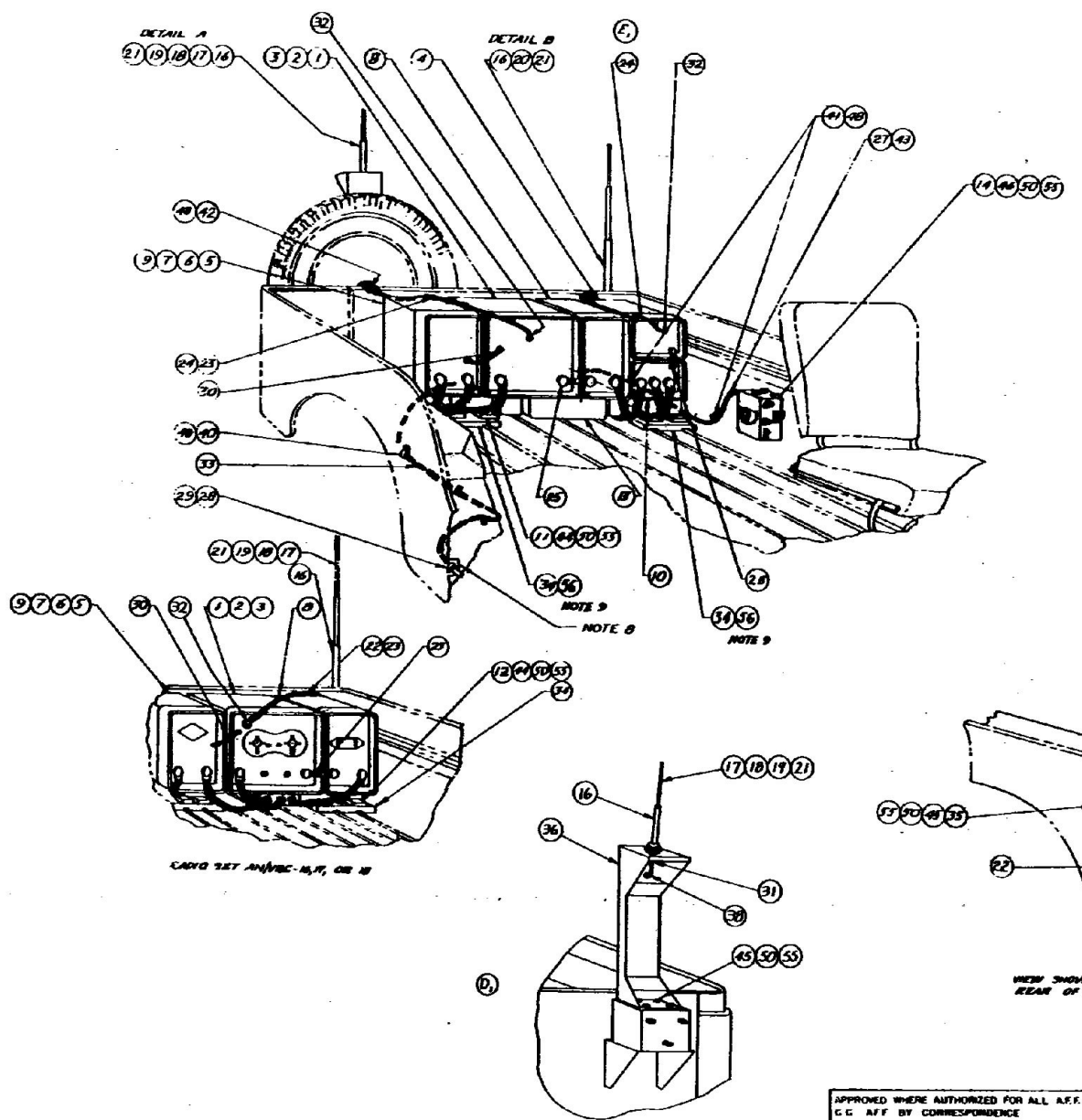


NOTES:
 1 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 2 INSTALL ANGLES PER SC-B-28602 & SC-B-28603 ON MOUNTING, FT-285, LOCATE MOUNTING ON VEHICLE FLOOR (USE HOLES IN ANGLES AS TEMPLATE)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		AUTHENTICATION		LIST OF MATERIAL	
DESIGNED BY	1/14 003	DATE	17 JULY 51	INSTALLATION OF RADIO SETS AN/VRC-16 THRU'18, IN TRUCK, UTILITY, 1/4 TON, 4X4, M38, (24V) DRILLING DETAILS	
CHECKED BY		APPROVED		SC-D-28675	
APPROVED		DATE		APPLICATION	

REV.	DESCRIPTION	DATE	INITIALS	APP.
B1	NOTE B ADDED. TITLE REVISED TO INCLUDE IN BOARD CONTROL BOX C-37 (TYPE DELLETED FROM AN/VR-1A, 17 1/8).			
C1	C1 (C) ADDED C2 NOTES ADDED			
D1	D1 (D) DELLETED, E1 (E) REVISED			
E1	E1 (E) DELLETED BY CHG ENF 4, ADDED			

- NOTES.
- UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
 - (C) (D) (E) MAY BE LOCATED AT THE DISCRETION OF THE USER.
 - (C) (D) (E) ARE SUPPLIED BY SOUTHERN MANHATTAN DIVISION.
 - (C) (D) (E) SELF TAPPING SCREW TYPE "2" AS SUPPLIED BY PARKER-WILSON NEW YORK, N.Y. OR EQUAL.
 - (C) NO. 10-20-1/2 (D) NO. 10-20-1/2 (E) NO. 10-20-1/2 STEEL DIMENSION LISTED AS SUPPLIED BY SHAW-WOOD, INC. CHICAGO ILL. OR EQUAL.
 - RADIO SETS MOUNTED ON MOUNTING FT-206 FOR SC-D-2867A AND SC-D-2868A.
 - BRASSING DETAILS PER SC-D-2868D.
 - RIT, RADIO POWER FEED, ORDNANCE CORPS STOCK NO 6750-570000 (REQURITION FROM ORDNANCE CORPS AND INSTALL ON TRUCKS WITH M30 M30 SERIAL NO 47772 AND NUMBER, AND ON ALL TRUCKS 1/2 TON (M30A1)).
 - REINFORCEMENTS ARE SECURED WITH MOUNTING HARDWARE TO UNDERSIDE OF VEHICLE FLOOR.
 - ALL MOUNTING DETAILS TO BE AS SUPPLIED IN (24-AN/VR-3) DRAWING FROM A/P/1 ARE NOT USED. SET SC-D-2867D.



ITEM NO	NAME OF ITEM	QUANTITY REQUIRED								REMARKS
		1	2	3	4	5	6	7	8	
1	RECEIVE-TRANSMITTER 67-6100RC	/								
2	RECEIVE-TRANSMITTER 67-6100RC	/								
3	RECEIVE-TRANSMITTER 67-6100RC	/								
4	RECEIVE-TRANSMITTER 67-6100RC	/								
5	RADIO RECEIVER 6-100/6RC	/								
6	RADIO RECEIVER 6-100/6RC	/								
7	RADIO RECEIVER 6-100/6RC	/								
8	POWER SUPPLY PP-1120B	/								
9	POWER SUPPLY PP-1120B	/								
10	AF AMPLIFIER 67-6100RC	/								
11	MOUNTING FT-206	/								
12	MOUNTING FT-206	/								
13	CONTROL C-67/6RC OR C-121/6RC	/								
14	CONTROL BOX 6-720000	/								
15	DRIVING LEAD SPEAKER LS-100A NOTE 2	/								
16	MAST BASE NS-67A	/								
17	MAST SECTION NS-67A	/								
18	MAST SECTION NS-67A	/								
19	MAST SECTION NS-67A	/								
20	MAST SECTION NS-67A	/								
21	MAST SECTION NS-67A	/								
22	MAST BRACKET MP-30	/								
23	RF CABLE ASSY CR-3700 (1 FT ON)	/								
24	RF CABLE ASSY CR-3700 (1 FT ON)	/								
25	SPECIAL PURPOSE CABLE ASSY CR-3700	/								
26	SPECIAL PURPOSE CABLE ASSY CR-3700	/								
27	CABLE WITH PLUG (1 FT ON)	/								
28	ACCESS ASSY NO 62-2000-207	/								
29	PLUG ASSY NO 10-2200-207	/								
30	WIRE 14-16 (LENGTH 6 IN)	/								
31	ADAPTER 60-6770A	/								
32	ADAPTER 67-3070A	/								
33	POWER CORD CR-3700 (1 FT ON) (C) OR (D)	/								
34	SPACER	/								
35	REARNET ASSY (MAST BASE)	/								PER SC-D-2867A
36	ANTENNA SUPPORT 67-6100/8	/								PER SC-D-2867A
37	HOOK NOTE 2	/								PER SC-A-2874
38	BROWNET AN-107-A 6210	/								
39	BROWNET AN-107-A 6210	/								
40	CLAMP PP	/								PER SC-A-2867A
41	CLAMP RED	/								PER SC-D-2867D
42	CLAMP RED	/								PER SC-D-2867D
43	INSULATION FLEXIBLE, SLEEVES (1 FT ON)	/								
44	HEX NO CAP SCR 1/8-20 X 1/8	/								
45	HEX NO CAP SCR 3/16-24 X 1/2	/								
46	HEX NO SLOTTED WASH SCR 1/8-20 X 1/2	/								
47	HEX NO WASH SCR 1/8-20 X 1/2	/								
48	RD NO WASH WREN SCR 1/8-20 X 1/2	/								
49	RD NO WASH SCR 1/8-20 X 1/2	/								
50	HEX W/1 1/8-20 X 3/8	/								
51	HEX W/1 1/8-20 X 3/8	/								
52	HEX W/1 1/8-20 X 3/8	/								
53	LOCATING PIN NO. 10 SET	/								
54	LOCATING PIN NO. 10 SET	/								
55	LOCATING PIN NO. 10 SET	/								
56	REINFORCEMENT	/								PER SC-D-2867E

APPROVED WHERE AUTHORIZED FOR ALL A.F.F. UNITS FOR THE C.C. AFF BY CORRESPONDENCE
 DATE 20 OCT 51 FILE NO 41 DEV-5, 413, 4
 APPROVED H. H. HILLMOR, LT. COL. A.F.F. ASST. ADL GEN. FOR CHIEF A.F.F.
 APPROVED FOR THE CHIEF SIGNAL OFFICER
30th Army Signal Corps DATE 20 FEB 52
 COLLS SIGNAL LAB SIGNAL CORPS ENGINEERING LABS

UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED
RECOMMENDED AND TO BE USED	RECOMMENDED AND TO BE USED
PROHIBITED COMPLETELY UNDESIRABLE	PROHIBITED COMPLETELY UNDESIRABLE
ALL PURPOSES	ALL PURPOSES
TEST ONLY	TEST ONLY
USED AS	USED AS

INSTALLATION OF RADIO SET
 AN/VR-3 THRU B OR AN/VR-6
 THRU B ON FLOOR OF TRUCK,
 UTILITY, 1/4 TON 4X4, M30A1

DEPARTMENT OF THE ARMY
 SIGNAL CORPS ENGINEERING
 LABORATORY

SC-D-28679

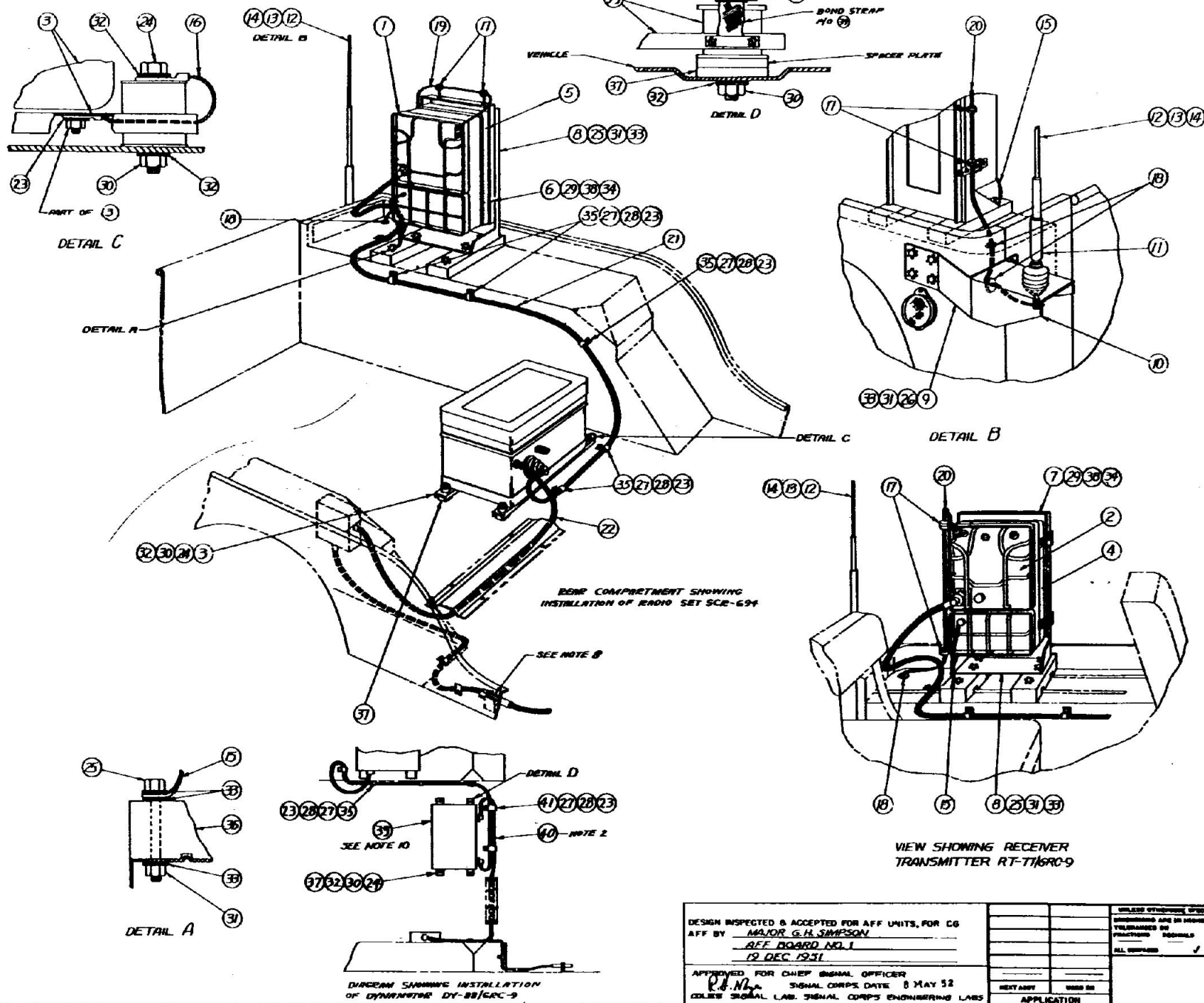
DETAIL A
(WITH SPIRE TIE REMOVED)

DETAIL B
VIEW SHOWING ANTENNA MOUNTED ON
REAR OF VEHICLE

1. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES.
 2. CUT OFF LUGS, FIRST BUT DO NOT DIP IN SOLDER.
 3. INSTALLATION OF SCR-69-C PER SC-D-28684.
 4. (1) NO. 4000-28-00, (2) NO. 4018-28-00, (3) NO. 4008-18-00 (MIL-4014-22-00 STEEL, CRIMPING PLATES AS SUPPLIED BY SHAKESPEARE INC, CHICAGO ILL. OR EQUAL.
 5. UNLESS OTHERWISE DETAILED, DRILL FOR AND INSTALL CLAMPS AND BONDING JUMPERS IN APPROXIMATE LOCATION SHOWN.
 6. THIS ITEM MAY BE SUPPLIED WITH 3/16 THICK SPACER PLATES IN APPROXIMATE DIM. INSTALLED AS SHOWN IN DETAIL D.
 7. CRIMPING DETAIL PER SC-C-25607.
 8. ADJUST (3) & (4) FOR 24 VOLTS.
 9. W/IT, RADIO POWER FEED, ORDNANCE CORPS STOCK NO. 0730-570800 (REQUISITION FROM ORDNANCE CORPS AND INSTALL ON TRUCKS, 1/4 TON, M38, SERIAL NO. 47778 AND HIGHER, AND ON ALL TRUCKS, 1/4 TON, M38A1.)
 RADIO SET AN/GRC-9 WITH PE-237
 RADIO SET SCR-69-C WITH PE-237
 RADIO SET AN/GRC-9 WITH DY-88/GRC-9
 RADIO SET SCR-69-C WITH DY-88/GRC-9

REV	DESCRIPTION	DATE	APPROVAL
B	NOTE B ADDED, TITLE REVISED TO INCLUDE M38A1.	12 FEB 52	[Signature]
C	NOTE B ADDED	11 FEB 52	[Signature]
D	NOTE B ADDED	12 FEB 52	[Signature]

NOTES CONTINUED:
 10. DYNAMOTOR POWER SUPPLY DY-105/GRC-5X MAY BE USED IN PLACE OF DY-88/GRC-9 OR PE-237.



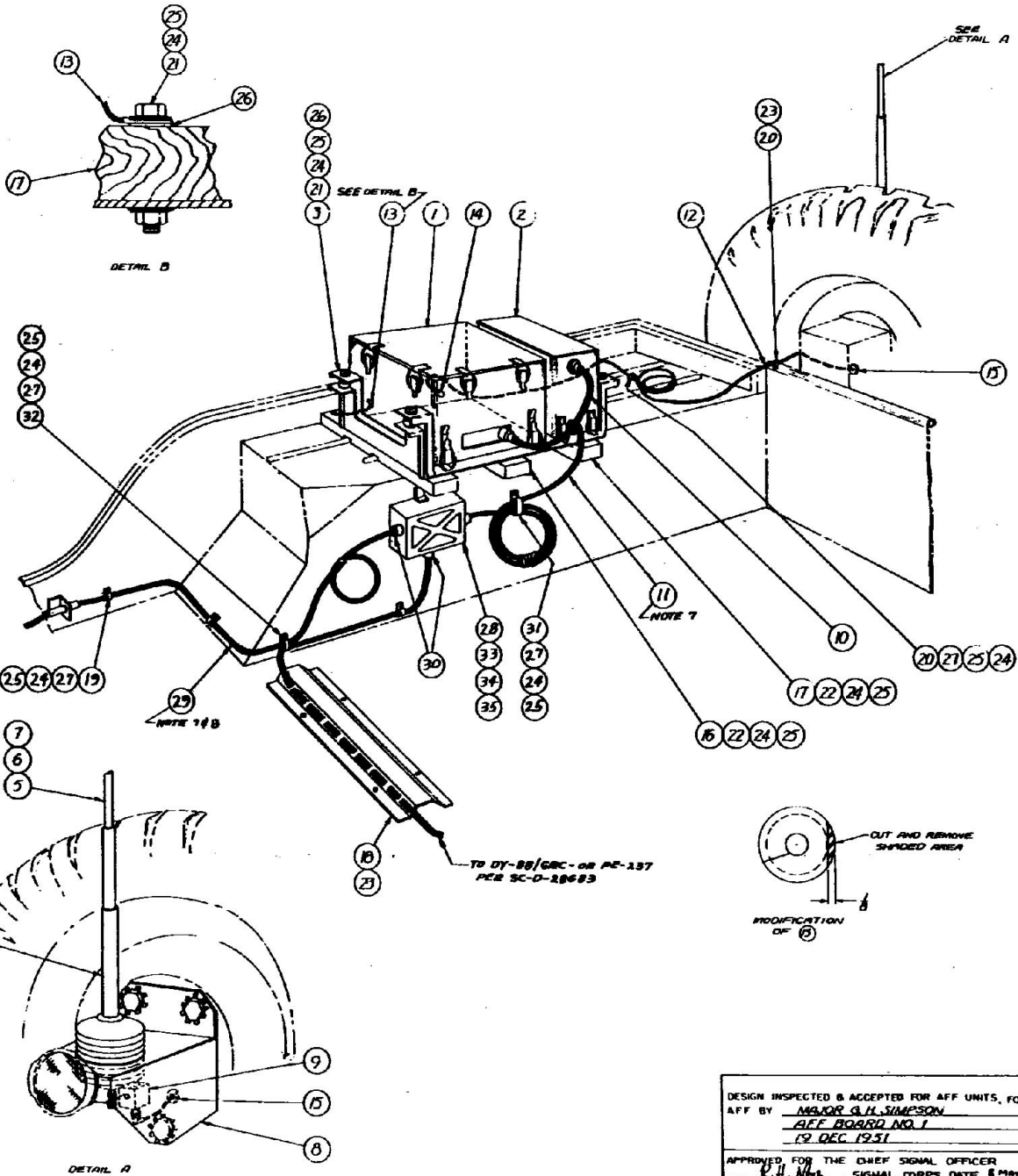
REQUIREMENT FROM ORDNANCE CORPS AND INSTALL ON TRUCKS, 1/4 TON, M38, SERIAL NO. 47778 AND HIGHER, AND ON ALL TRUCKS, 1/4 TON, M38A1.)
 RADIO SET AN/GRC-9 WITH PE-237
 RADIO SET SCR-69-C WITH PE-237
 RADIO SET AN/GRC-9 WITH DY-88/GRC-9
 RADIO SET SCR-69-C WITH DY-88/GRC-9

ITEM NO.	NAME OF ITEM	QTY REQ'D	REMARKS
1	RECEIVER TRANSMITTER SC-308	1	
2	RECEIVER TRANSMITTER RT-11/GRC-9	1	
3	INVERTER POWER UNIT PE-237 (1)	1	NOTE 9
4	PANEL COVER CP-10486-C	1	
5	PANEL COVER M-604	1	
6	MOUNTING FT-108	1	
7	MOUNTING FT-30086-C	1	
8	FRAME FM-83	1	
9	BRACKET ASSY	1	PER SC-C-28391
10	MOUNT BRACKET MP-50	1	
11	MOUNT BRACKET MP-50-A OR B	1	
12	MOUNT SECTION MS-18-A	3	
13	MOUNT SECTION MS-17-A	1	
14	MOUNT SECTION MS-18-A	1	
15	MOUNT SECTION MS-18-A	1	
16	BONDING JUMPER GROUP 3	1	PER SC-B-17040
17	BONDING JUMPER GROUP 1	2	PER SC-C-27013
18	INSULATOR IN-108	4	
19	INSULATOR IN-108	2	
20	WIRE W-100 (4 FT. 0 IN. LG.)	1	
21	WIRE W-100 (3 FT. 0 IN. LG.)	1	
22	CORD CD-1086 (7 FT. 0 IN. LG.)	1	
23	POWER CORD GROUP 2	1	PER SC-C-28372
24	LOCKWASHER 1/4 IET	7	NOTE 4
25	HEX HD MACH SCR 3/8-24 X 3/4 LG	4	
26	HEX HD MACH SCR 3/8-24 X 1/2 LG	6	
27	HEX HD MACH SCR 3/8-24 X 3/8 LG	6	
28	HEX HD MACH SCR 1/4-28 X 3/4 LG	6	
29	HEX NUT 1/4-28	6	
30	RD HD MACH SCR #8-32 X 3/4 LG	6	
31	HEX NUT 3/8-24	4	
32	HEX NUT 3/8-24	12	
33	LOCKWASHER 3/8 IET	8	
34	LOCKWASHER 3/8 IET	2	NOTE 4
35	LOCKWASHER #8 IET	8	
36	CLAMP BLACK	4	PER SC-D-28680
37	SPACER	2	PER SC-C-28079
38	BLOCK	4	PER SC-B-18635
39	HEX NUT #8-32	8	
40	DYNAMOTOR DY-88/GRC-9	1	NOTE 6, 9 & 10
41	CABLE ASSY SPC PUMP-ELECT CF-203/M	1	NOTE 2
42	CLAMP #8	2	PER SC-B-8697

DESIGN INSPECTED & ACCEPTED FOR AFF UNITS, FOR CG AFF BY MAJOR G.H. SIMPSON AFF ROAD NO. 1 12 DEC 1951	APPROVED FOR CHIEF SIGNAL OFFICER P.B. [Signature] SIGNAL CORPS DATE 8 MAY 52 COLES SIGNAL LAB. SIGNAL CORPS ENGINEERING LABS	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FINISHED: DECIMALS; MILLER: ALL OTHERS: /	AUTHENTICATION SIGNED: [Signature] TITLE: [Signature] DATE: 12 FEB 52	INSTALLATION OF RADIO SETS AN/GRC-9 OR SCR-694-C WITH SCR-69 IN TRUCK, UTILITY, 1/4 TON, 4X4 M38, M38A1 (24V)	SC-D-28683
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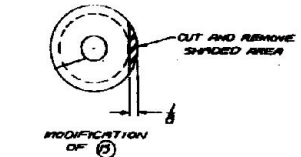
FORM NO. 1 (Rev. 10 MAR 52)

REVISIONS ISSUE A 24 JAN 52			
BY	DESCRIPTION	DATE	APPROVED
B	TERMINAL BOX J-929/10PC ADDED TITLE REVISED NOTE 9 ADDED	15 JAN 52	[Signature]



- NOTE 1:
 1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
 2. (2) SHEET METAL SCREW, TYPE "Z", AS SUPPLIED BY PARKER-KALOH, NEW YORK, N.Y. OR EQUAL.
 3. (2) NO. 404-20-00, (2) NO. 4018-24-00, STEEL, CARBONUM PLATED, AS SUPPLIED BY BRIDGESPORT INC., CHICAGO, ILL., OR EQUAL.
 4. UNLESS OTHERWISE DETAILED DRILL FOR AND INSTALL CLAMPS AND BONDING JUMPERS IN APPROXIMATE LOCATION SHOWN. WHERE SHEET METAL SCREWS ARE PROVIDED PILOT HOLES ARE TO BE .132 DIA.
 5. DRILLING DETAIL FOR SC-D-28687
 6. INSTALLATION OF SCR-694 OR AN/GRC-9 PER SC-D-28689
 7. CUT OFF LUGS ON CABLE, SKIN BACK INNER CONDUCTOR 1/4 IN., TWIST BUT DO NOT DIP IN SOLDER.
 8. COIL AND TRAP EXCESS CABLE
 9. KIT, RADIO POWER FEED, ORDNANCE CORPS STOCK NO. 8 758-5701808 (REQUISITION FROM ORDNANCE CORPS AND INSTALL ON TRUCKS 1/2 TON M38 DETAIL NO. 47712 AND HIGHER AND ON ALL TRUCKS 3/4 TON M38A1)

ITEM NO.	NAME OF ITEM	QTY	REMARKS
1	RECEIVER TRANSMITTER BC-1335	1	
2	DYNAMOTOR DY-44U	1	
3	INDUCTION PT-305	1	
4	MAST BASE MB-15BR	1	
5	MAST SECTION MS-10-A	1	
6	MAST SECTION MS-10-A	1	
7	MAST SECTION MS-10-A	1	
8	ATTENNA BASE AB-219U	1	
9	TERMINAL BOX J-121GR	1	
10	CORD CB-1285	1	
11	CORDING CO-21 1/2 (2)	1	
12	CORD CB-2748B-2 (3 FT L)	1	
13	BONDING JUMPER GROUP 3	1	PER SC-D-27640
14	ADAPTER M-309	1	
15	GROUNDING AN FOR A 646	1	
16	SPACER	1	PER SC-D-28574
17	SPACER	2	PER SC-D-28576
18	CHANNEL	1	PER SC-D-28570
19	CLAMP ITEM 5	1	PER SC-D-28570
20	CLAMP ITEM 2	3	PER SC-D-28577
21	HEX HD CAP SCR 1/4-20 X 1/2 LG	1	PER SC-D-28130
22	HEX HD CAP SCR 1/4-20 X 1/2 LG	1	
23	HD HD SHEET METAL SCR #10 X 1/2 LG	5	NOTE 2
24	HEX NUT 1/4-20	10	
25	LOCKWASHER 1/4 NET (NOTE 3)	10	
26	FLANG WASHER 1/4 REG	1	
27	HEX HD MACH SCR 1/4-20 X 3/4 LG	1	
28	TERMINAL BOX J-929/10PC	1	
29	POWER CABLE ASSY GROUP II	1	PER SC-D-18271
30	CONNECTOR GROUP III	1	PER SC-D-16576
31	CLAMP ITEM 10	1	PER SC-D-28577
32	CLAMP ITEM 8	1	
33	HEX HD MACH CAP SCR 1/4-20 X 1/2 LG	2	
34	HEX NUT 1/4-20	2	
35	LOCKWASHER 1/4 NET (NOTE 3)	4	

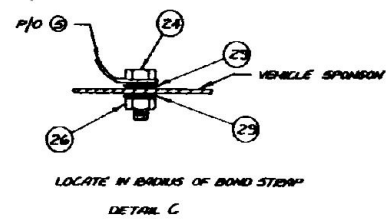
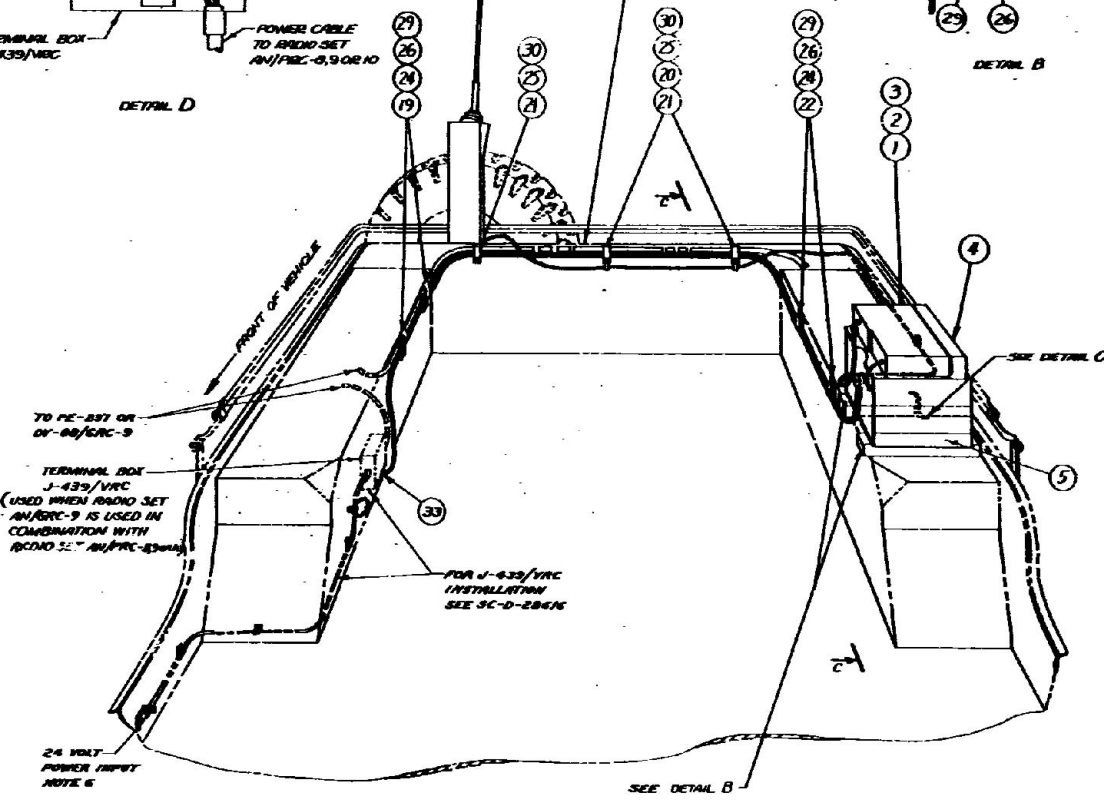
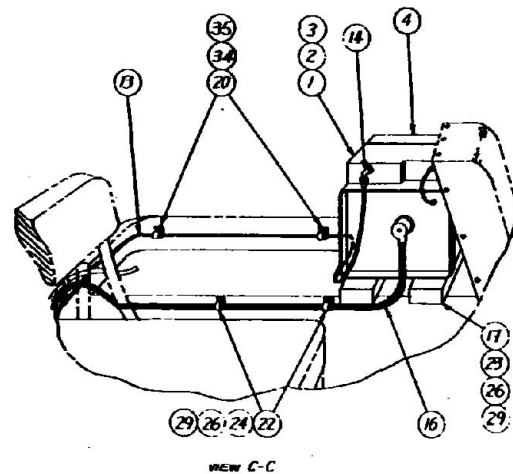
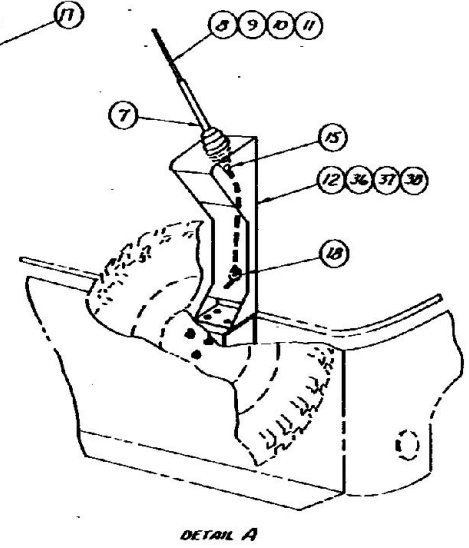
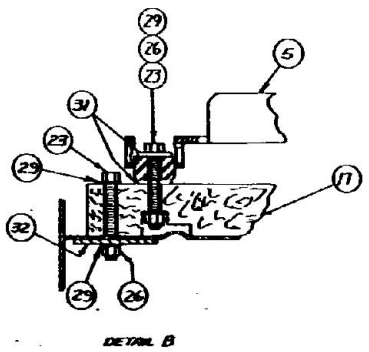
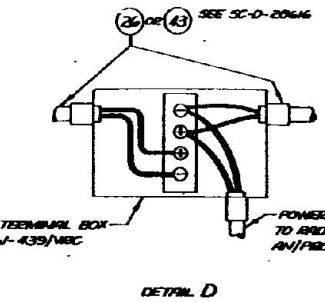


DESIGN INSPECTED & ACCEPTED FOR AFF UNITS, FOR CG AFF BY <u>MAJOR G.H. SIMPSON</u> <u>AFF BOARD NO. 1</u> <u>19 DEC 1951</u>	APPROVED FOR THE CHIEF SIGNAL OFFICER <u>P.H. [Signature]</u> SIGNAL CORPS, DATE <u>8 MAY 52</u>	CDLES SIGNAL LAB SIGNAL CORP ENGINEERING LABS.	APPLICATION	UNLESS OTHERWISE SPECIFIED DIMENSIONS AND INCHES TOLERANCES BY FINISHING FINISHES UNLESS ALL DIMENSIONS ✓	AUTHENTICATION DRAWN: JAM/JSD TRACED: P/OTO CHECKED: [Signature] VERIFIED: [Signature] APPROVED: [Signature] REVIEWED: [Signature]	DATE: 24 JAN 52	TITLE OF MATERIAL INSTALLATION OF RADIO SETS SCR-619 WITH AN/GRC-9 OR SCR-694-G IN TRUCK, UTILITY, 1/4 TON, 4 X 4 M38 & M38A1 (24V)	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORY FORT MONMOUTH, NEW JERSEY SC-D-28684
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SEE REFERENCE TO THIS DRAWING FOR DIMENSIONS AND APPLICABLE REVISION OTHER, IF ANY AND DATE

REV	DESCRIPTION	DATE	BY	CHK
B	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿			
C	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿			

- NOTES:
- UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
 - ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿ 30x32-00 ③ 40x40-12-00 ④ 40x40-24-00 STEEL CHANNELS PLATED AS SUPPLIED BY SHAKESPROOF INC., CHICAGO ILL., OR EQUAL.
 - UNLESS OTHERWISE DETAILED DRILL AND INSTALL CLAMPS IN APPROPRIATE LOCATION SHOWN, WHERE SHIMET METAL SCREWS ARE PROVIDED, PLAST HALLS ARE TO BE 1/8" DIA.
 - DRILLING DETAILS PER SC-D-2868E.
 - ⑤ ⑥ SHIMET METAL SCREW, TYPE "Z" AS MADE BY FRIEHR-KALON NEW YORK, N.Y. OR EQUAL.
 - KT, BRAD POWER FEED, ORDNANCE CORPS STOCK NO. 4 758-250808 (ACQUISITION FROM ORDNANCE CORPS AND INSTALL ON TRUCKS 1/4 TON M35 SERIES NO. 47772 AND M35B1 AND ON ALL TRUCKS 1/4 TON M35B1).
 - ⑦ ⑧ REMOVE LIDS, CUT INSULATION BACK 1/4 INCH, DO NOT TRK.
 - FOR AN/ARC-9 INSTALLATION SEE SC-D-2868D.



ITEM NO.	NAME OF ITEM	QTY REQD	REMARKS		
			AN/ARC-9	AN/ARC-9	AN/ARC-9
1	RECEIVER TRANSMITTER AN/ARC-9	1	1		
2	RECEIVER TRANSMITTER AN/ARC-9	1	1		
3	RECEIVER TRANSMITTER AN/ARC-9	1	1		
4	AMPLIFIER-POWER SUPPLY AN-3600	1	1		
5	ANTENNA AN-2400 (1/4 TON)	1	1		
6		1	1		
7	MAST BASE AN-2400	1	1		
8	MAST SECTION AN-2400	1	1		
9	MAST SECTION AN-2400	1	1		
10	MAST SECTION AN-2400	1	1		
11	MAST SECTION AN-2400	1	1		
12	ANTENNA SUPPORT AN-2400	1	1		PER SC-D-2868E
13	ANTENNA SUPPORT AN-2400	1	1		PER SC-D-2868E
14	ADAPTER LB-2700	1	1		
15	ADAPTER LB-2700	1	1		
16	CABLE ASST CX-3400/1/2 1/2 ITEM ②	1	1		NOTE 7
17	SPACER	2	2		FOR SC-D-2868E
18	GRABNET AN 1346430	1	1		
19	CLAMP ITEM 8	1	1		PER SC-A-8577
20	CLAMP RED-BLACK	4	4		PER SC-D-2868E
21	CLAMP ITEM 7	3	3		PER SC-A-8577
22	CLAMP ITEM 5	2	2		PER SC-A-8577
23	WEX HD BRASS SCR 1/4-20 X 1 3/4 LB	2	2		
24	WEX HD BRASS SCR 1/4-20 X 3/4 LB	2	2		
25	WEX HD BRASS SCR 1/4-20 X 1 3/4 LB	2	2		NOTE 5
26	WEX NUT 1/4-20	13	13		
27					
28	LOCKWASHER 1/4 NET	14	14		SET MOVE 2
29	LOCKWASHER 1/2 NET	6	6		
30	WASHER, RED	8	8		PER SC-D-2868E
31	SPACER	2	2		PER SC-D-2868E
32	CONNECTION BRASS 3/8	1	1		
33	WEX HD BRASS SCR NO. 10-32 X 1 1/2 LONG	2	2		
34	WEX HD BRASS SCR NO. 10-32 X 1 1/2 LONG	2	2		
35	WEX HD CRP SCR 5/16-24 X 3/4 LB	4	4		
36	WEX HD CRP SCR 5/16-24 X 3/4 LB	4	4		
37	WEX NUT 5/16-24	4	4		
38	LOCKWASHER 5/16 I.E.T	8	8		NOTE 2

DESIGN INSPECTED & ACCEPTED FOR AFF UNITS, FOR CG AFF BY MAJOR G.H. SIMPSON
OFF BOARD NO. 1
19 DEC 1951

APPROVED FOR THE CHIEF SIGNAL OFFICER
V.L. Nye
 SIGNAL CORPS, DATE 8 MAY 52
 COLES SIGNAL LAB, SIGNAL CORPS ENGINEERING LABS.

UNLESS OTHERWISE SPECIFIED	AUTHENTICATION
DESIGNED BY	DRUM FOALUSON
DEVELOPED BY	THOMAS PHOTO
TESTED BY	EDWARDS
ALL SURFACES	✓
TESTED BY	✓
DATE	10 JAN 52

LIST OF MATERIAL

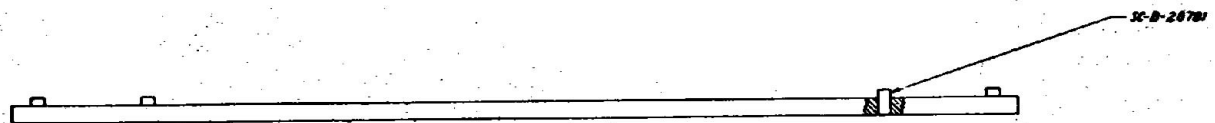
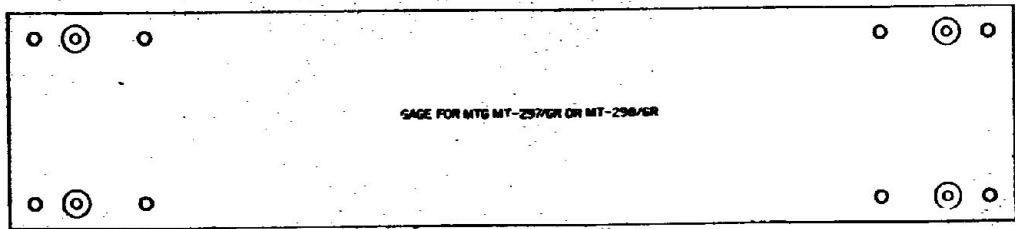
RADIO SET AN/ARC-9 THRU 10 INSTALLED WITH RADIO SET AN/ARC-9 IN TRUCK, UTILITY, 1/4 TON, 4X4, M35 & M35B1 (24V)

APPROVED FOR THE CHIEF SIGNAL OFFICER
 SIGNAL CORPS, DATE 8 MAY 52
 COLES SIGNAL LAB, SIGNAL CORPS ENGINEERING LABS.

SC-D-28685

NOTES:
 1-ABBREVIATIONS ARE PER JAN-STD-12.
 2-FINISH ALL SURFACES, EXCEPT SC-D-28779, PER SPEC 72-53, TABLE I, TYPE I, COLOR CONFORMING TO W-2430.

THIS DRAWING AND DRAWINGS, SPECIFICATIONS AND PUBLICATIONS REFERENCED, AND THEIR SUBSEQUENTS, IF ANY, CONSTITUTE ALL THE NECESSARY DATA RELATING TO DRAWINGS.

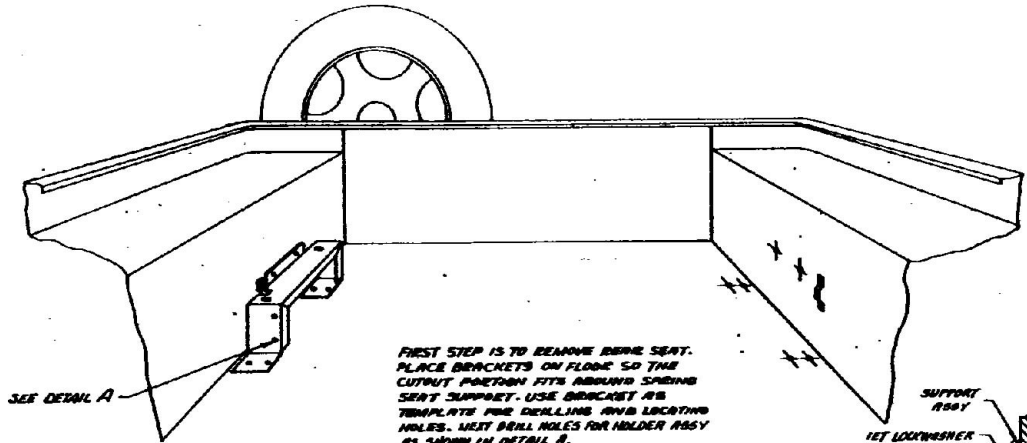


- SPECIFICATIONS**
FEDERAL (CURRENT)
 STEEL QQ-S-763
 MILITARY (CURRENT)
 COATING MATERIALS JAN-C-173
 STEEL MIL-S-10440
 U.S. ARMY (CURRENT)
 IDENTIFICATION MARKING 71-4944
 FINISHES 72-53
 SERVICE SPECIFICATIONS AND/OR OTHER PUBLICATIONS (CURRENT)
 MILITARY STANDARDS
 ABBREVIATIONS JAN-STD-12

8	SC-D-28781	PHN		
1	SC-C-28780	PLATE	STEEL	

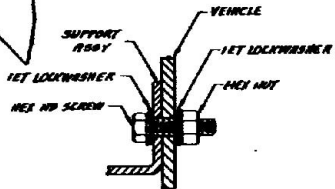
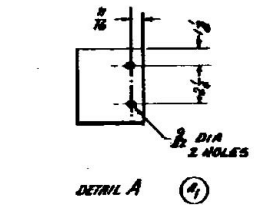
LIST OF MATERIAL		AUTHENTICATION		GAGE FOR MOUNTINGS MT-297()GR OR MT-298()GR	SC-D-28779
QTY	DESCRIPTION	DATE	BY		
	ALL SURFACES	1			
	APPROVED				
	DATE	9 OCT 57			

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	As Shown		



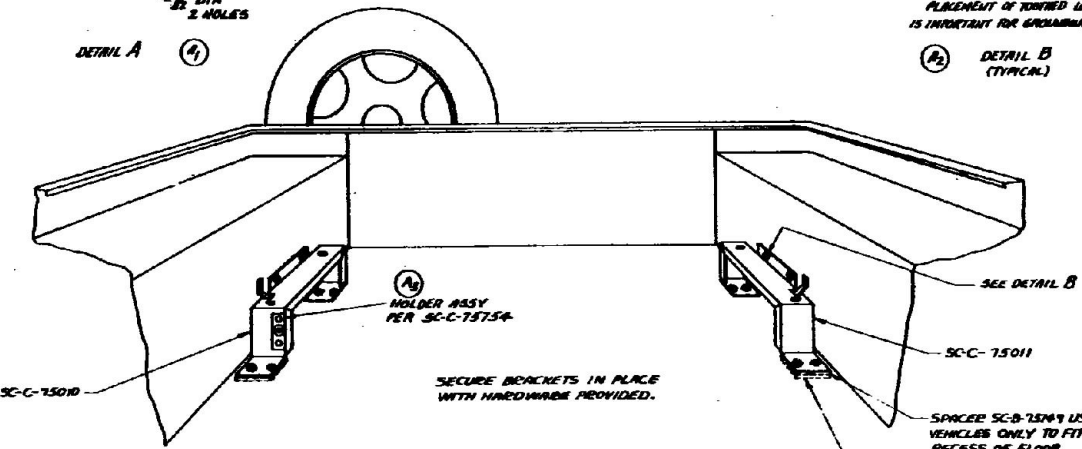
FIRST STEP IS TO BEARNE BERE SEAT. PLACE BRACKETS ON FLOOR SO THE CUTOUT PORTION FITS AROUND SPRING SEAT SUPPORT. USE BRACKET AS TEMPLATE FOR DRILLING AND LOCATING HOLES. NEXT DRILL HOLES FOR HOLDER ASSY AS SHOWN IN DETAIL B.

STEP-I



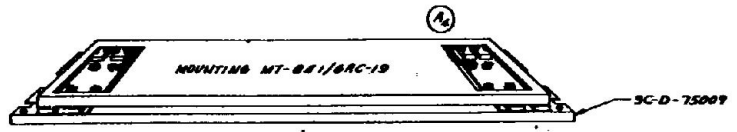
PLACEMENT OF TIGHTENED LOCKWASHERS IS IMPORTANT FOR BRACING PURPOSES

DETAIL B (TYPICAL)



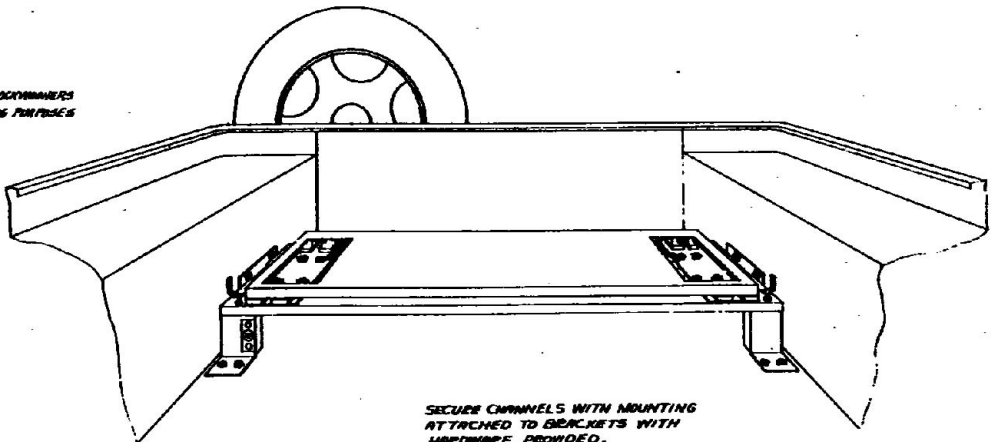
SECURE BRACKETS IN PLACE WITH HARDWARE PROVIDED.

STEP-II



SECURE MOUNTING TO CHANNELS WITH HARDWARE PROVIDED

STEP-III



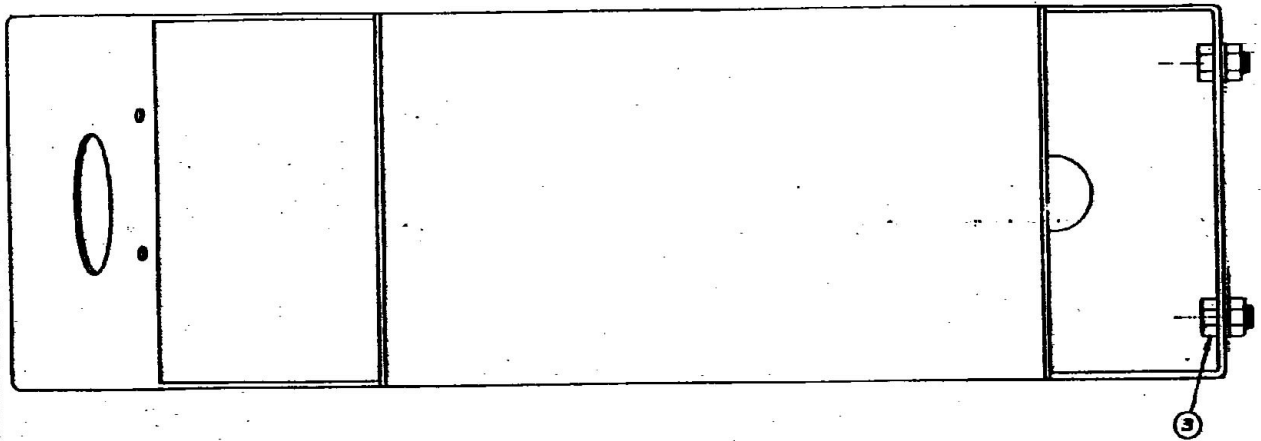
SECURE CHANNELS WITH MOUNTING ATTACHED TO BRACKETS WITH HARDWARE PROVIDED.

STEP-IV

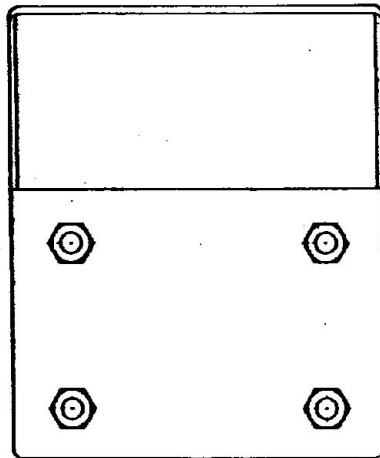
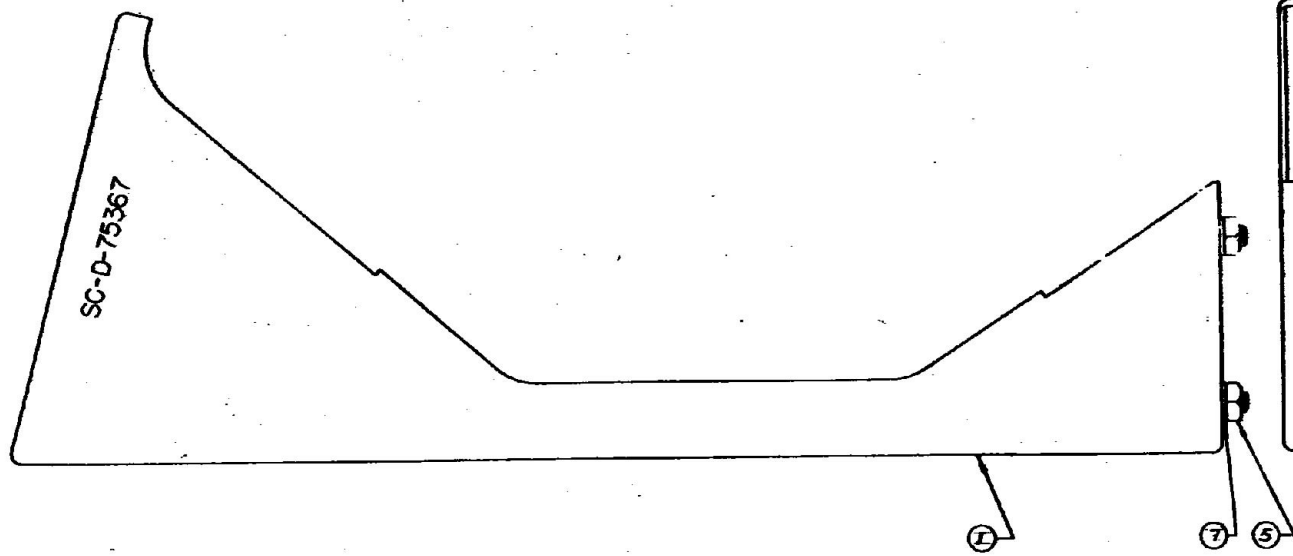
DRAWING NO. SC-D-75244 TITLE INSTALLATION OF SUPPORT ASSEMBLY KIT IN TRUCK, 1/4 TON, 4X4, UTILITY, M38, M38A1 SCALE 1:1 DATE 24 NOV 58		AMBIDENTIFICATION IN/IN/CON PHOTO MAP 1-2 24 NOV 58	SC-D-75244
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WHEN REFERRING TO THIS DRAWING STATE DRAWING NO. APPLICABLE REVISION SYMBOL IF ANY AND DATE

REV	DESCRIPTION	DATE	BY	CHKD
A	20010 DELETED			



NOTE:
1-FINISH ③ TO ④ AQL 30-305

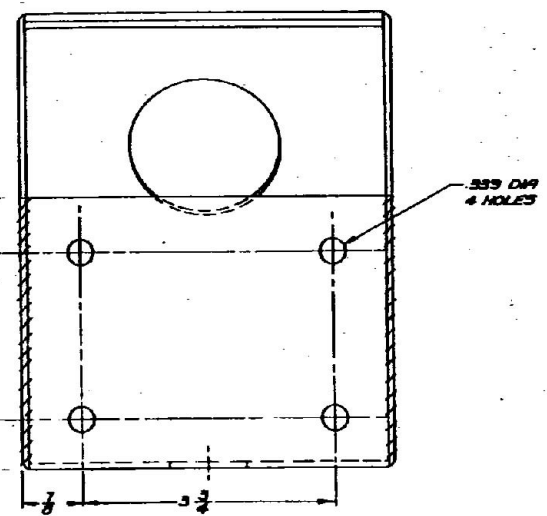
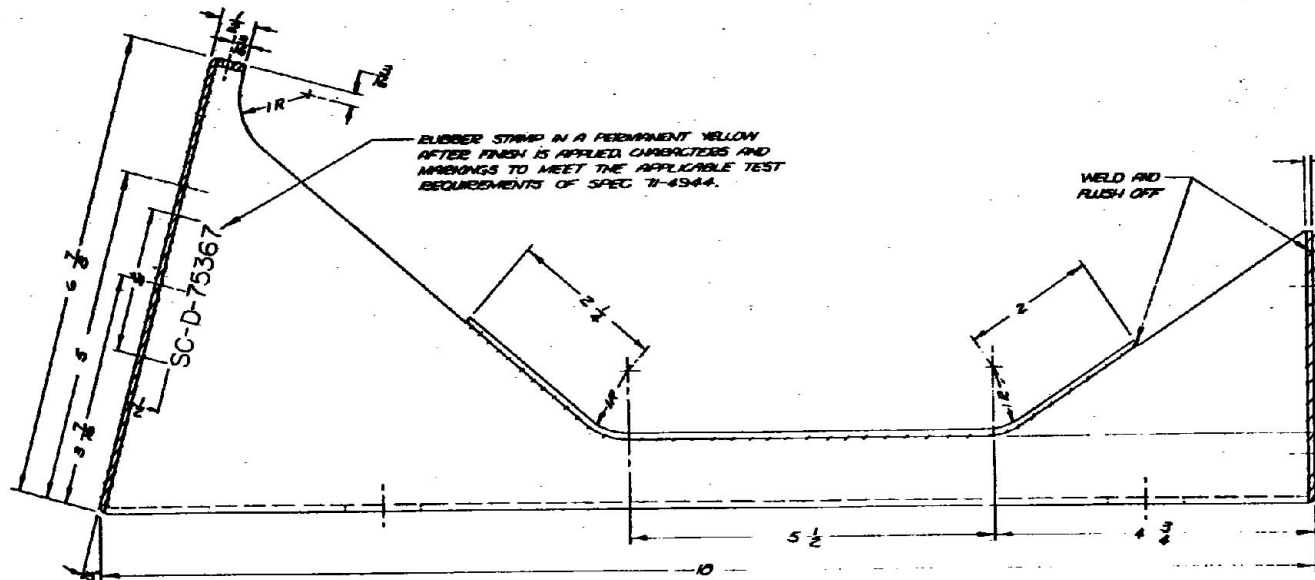
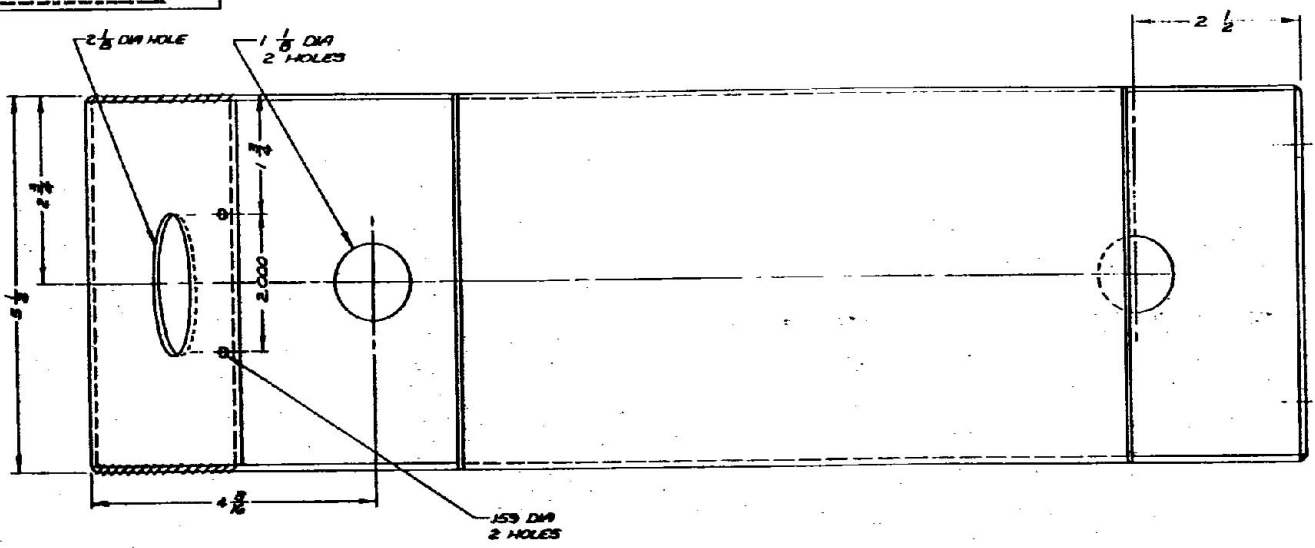


QTY	DESCRIPTION	UNIT	REMARKS	DATE	BY	CHKD
2	ACCESSORY LOCKWASHER					
7	M35256-11 LOCKWASHER					
2	WASHER					
4	M2-45-506 NUT					
4	WASHER					
4	M35256-08 SCREW					
1	SC-D-75367 ANTENNA BASE	STEEL				

LIST OF MATERIAL

AUTHENTICATION DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____ APPROVED BY _____ DATE 20 OCT 56		ANTENNA BASE ASSEMBLY	SC-D-75366 SCALE 1/1
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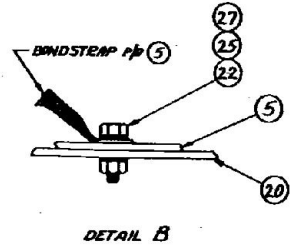
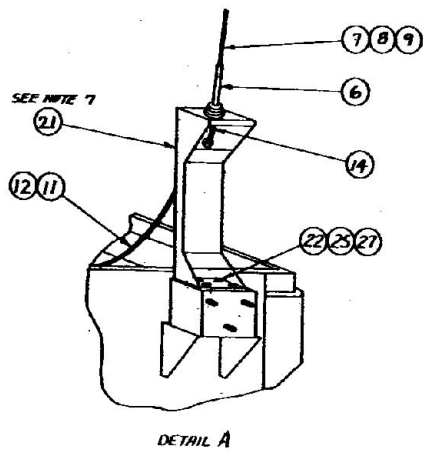
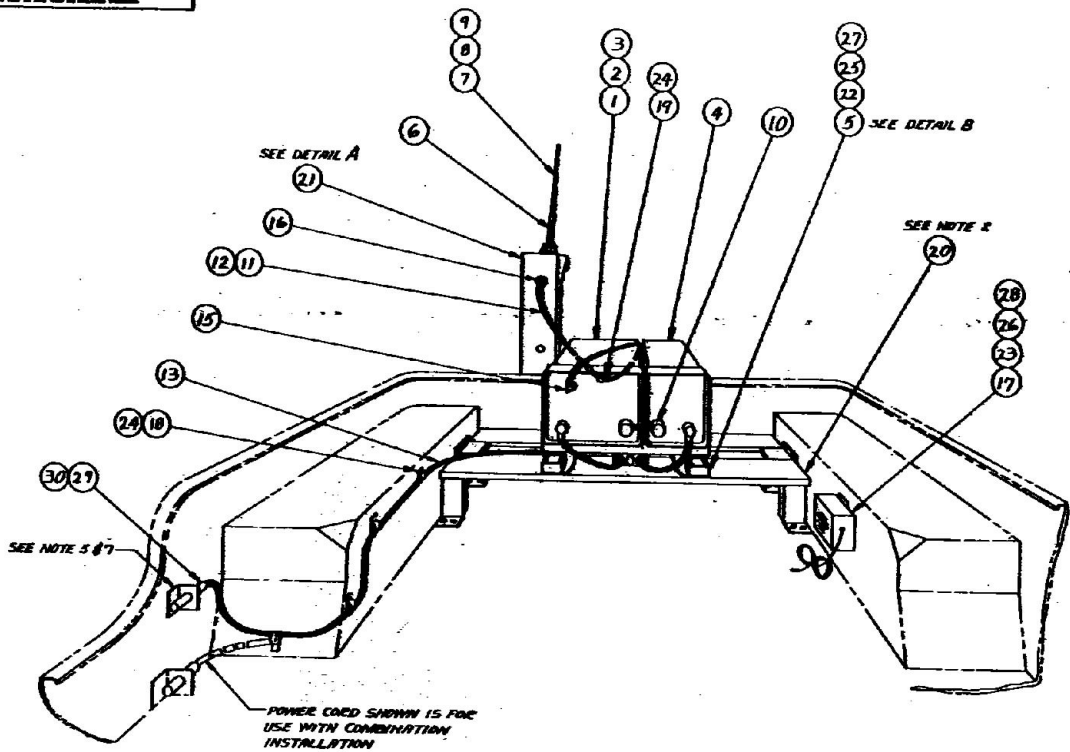
WHEN REFERING TO THIS DRAWING STATE DRAWING NO. APPLICABLE REVISION SYMBOL IF ANY AND DATE



STEEL, CLASS A, PER SPEC 57-114-1.
REMOVE ALL BURRS.
ALL WELDS SHALL BE OF AMPLE SIZE WITH THOROUGH PENETRATION AND GOOD FUSION, FREE FROM ALL SURFACE DEFECTS, AND STRONGER THAN THE MATERIALS WHICH THEY JOIN.
ALL BADI UNLESS OTHERWISE SPECIFIED SHALL BE $\frac{3}{32}$

AUTHENTICATION DRAWN BY SAHLER CHECKED BY PHOTD APPROVED BY Rjanda DATE 19 OCT 54		ANTENNA BASE	SC-D-75367
SC-D-75367-SC-DL-75367 PART NAME: ANTENNA BASE APPLICATION:	DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED: $\pm .005 \pm 1^{\circ}$	SCALE 1/1 FINISH 50-345	SC-D-75367

NOTE:
 1- UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
 2- INSTALLATION OF SUPPORT ASSY KIT PER SC-D-75144.
 3- TYPE "Z" AS SUPPLIED BY PARKER-KALON NEW YORK, N.Y. OR EQUAL.
 4- STEEL CADMIUM PLATED AS SUPPLIED BY SHREPPHART INC., CHICAGO ILL., OR EQUAL.
 5- KIT, RADIO POWER FEED, ORDINANCE CORPS STOCK NO. G 758-5701808 (ACQUISITION FROM ORDINANCE CORPS AND INSTALL ON TRUCKS, 1/4 TON, M38, SERIAL NO 47772 AND HIGHER, AND ON ALL TRUCKS, 1/4 TON, M38A1).
 6- INSTALL AT THE DISCRETION OF USARV AREA.
 7- DRILLING DETAILS ARE PER SC-D-75683.
 8- AS SUPPLIED BY SCHWILLP MAGNETO DIVISION, BENDIX AVIATION CORP, SANNEY N.Y. OR EQUAL.



RADIO SET AN/VRC-10			
RADIO SET AN/VRC-9			
RADIO SET AN/VRC-8			
ITEM NO	NAME OF ITEM	QTY REQD	REMARKS
1	RADIO TRANSMITTER ET-66/GRC	1	
2	RADIO TRANSMITTER ET-67/GRC	1	
3	RADIO TRANSMITTER ET-68/GRC	1	
4	POWER SUPPLY P-112/GRC	1	
5	MOUNTING MT-241GC	1	
6	MAST BRSA AB-151GC	1	
7	MAST SECTION MS-116-A	1	
8	MAST SECTION MS-117-A	1	
9	MAST SECTION MS-118-A	1	
10	SPECIAL PURPOSE CABLE ASSY CX-1211U	1	
11	RF CABLE ASSY CG-56B/U (50 IN)	1	
12	RF CABLE ASSY CG-530/U (50 IN)	1	
13	CORD GROUP III	1	
14	ADAPTER U8-273/U	1	
15	ADAPTER U6-306/U	1	
16	GROMMET AN 931-A 6510	1	
17	DYNAMIC LOUDSPEAKER LS-166/U	1	
18	CLAMP NO 4	4	
19	CLAMP EED-BLACK	4	
20	SUPPORT ASSY KIT NOTE 2	1	
21	ANTENNA SUPPORT NO-449/G	1	
22	HEX HD CAP SCR 3/8-24 X 3/4 LG	8	
23	HEX HD CAP SCR 1/2-28 X 3/4 LG	2	
24	RD HD SHEET METAL SCR 1/4 X 1/2 LG	2	
25	HEX NUT 3/8-24	8	NOTE 3
26	HEX NUT 1/2-28	2	
27	LOCKWASHER 3/8 " 4018-24-00	16	16
28	LOCKWASHER 1/2 " 4018-22-00	4	4
29	ACCESS ASSY NO 10-35718-225	1	
30	PLUG ASSY NO 10-42622-22P	1	
31	HOOK, MICROPHONE NOTE 6	1	NOTE 8
32	RD HD SHEET METAL SCR 1/8 X 1/4 LG	2	NOTE 3

APPROVED FOR THE CHIEF SIGNAL OFFICER
[Signature]
 SIGNAL CORPS DATE 3 MAR 55
 S I G E BR COMM DEPT SIGNAL CORPS ENGINEERING LABS

AUTHENTICATOR NAME: H. J. WILSON GRADE: PHOTO SIGNATURE: [Signature] DATE: 19 OCT 55	INSTALLATION OF RADIO SETS AN/VRC-8 TO 10 FOR COMBINATION IN TRUCK, UTILITY, 1/4 TON, 4 X 4 M38 B M38A1	SC-D-75682
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