INSTRUCTIONS FOR INSTALLATION OF
RADIO SETS AN/GRC-9 OR SCR-694-C IN COMBINATION
WITH RADIO SETS AN/GRC-3 TO 8, AN/VRC-1 TO 3, AN/VRO-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

Issue No: 4, 16 January 1945
Number of Pages: 10

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/VRC-1 to 3, AN/VRC-8
to 10 or AN/VRC-16 to 18:

<table>
<thead>
<tr>
<th>Radio Set</th>
<th>Complete Equipment Stock No.</th>
<th>Basic Unit Stock No.</th>
<th>Basic Unit Voltage</th>
<th>Installation Unit Stock No.</th>
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<tbody>
<tr>
<td><strong>AN/GRC-9</strong></td>
<td>2S2501-9-V76</td>
<td>2S2501-9X</td>
<td>6/12/24</td>
<td>2S12-9-V76-1/50</td>
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<tr>
<td><strong>SCR-694-C</strong></td>
<td>2S694-V76</td>
<td>2S694-6-12-24</td>
<td>6/12/24</td>
<td>2S12-9-V76-1/50</td>
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<td><strong>AN/GRC-3</strong></td>
<td>2S12-3-V76</td>
<td>2S12-3-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
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<tr>
<td><strong>AN/GRC-4</strong></td>
<td>2S12-4-V76</td>
<td>2S12-4-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
</tr>
<tr>
<td><strong>AN/GRC-5</strong></td>
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<td>2S12-5-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
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<tr>
<td><strong>AN/GRC-6</strong></td>
<td>2S12-6-V76</td>
<td>2S12-6-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
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<tr>
<td><strong>AN/GRC-7</strong></td>
<td>2S12-7-V76</td>
<td>2S12-7-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
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<tr>
<td><strong>AN/GRC-8</strong></td>
<td>2S12-8-V76</td>
<td>2S12-8-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
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<tr>
<td><strong>AN/VRO-1</strong></td>
<td>2S4505-1-V76</td>
<td>2S4505-1-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
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<tr>
<td><strong>AN/VRO-2</strong></td>
<td>2S4505-2-V76</td>
<td>2S4505-2-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
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<tr>
<td><strong>AN/VRO-3</strong></td>
<td>2S4505-3-V76</td>
<td>2S4505-3-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
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<tr>
<td><strong>AN/VRC-8</strong></td>
<td>2S4502-8-V76</td>
<td>2S4502-8-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
</tr>
<tr>
<td><strong>AN/VRC-9</strong></td>
<td>2S4502-9-V76</td>
<td>2S4502-9-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
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<tr>
<td><strong>AN/VRC-10</strong></td>
<td>2S4502-10-V76</td>
<td>2S4502-10-24</td>
<td>24</td>
<td>2S12-3-V76/50</td>
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</tbody>
</table>
II. EQUIPMENT REQUIRED: a. AN/GRC-9 or SCR-694-C in Comb with AN/GRC-3 to 8, AN/VRC-1 to 3, AN/VRC-8 to 10 or AN/VRC-16 to 18: (Contd)

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<tr>
<td>AN/VRC-16</td>
<td>284502-16-V76</td>
<td>284502-16/24</td>
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<td>AN/VRC-17</td>
<td>284502-17-V76</td>
<td>284502-17/24</td>
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<td>284502-16-V76/5</td>
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<td>AN/VRC-18</td>
<td>284502-18-V76</td>
<td>284502-18/24</td>
<td>24</td>
<td>284502-16-V76/5</td>
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b. AN/GRC-9 or SCR-694-C in Combination with AN/PRC-8 to 10:

<table>
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<tbody>
<tr>
<td>AN/GRC-9</td>
<td>282501-9-V76-1</td>
<td>282501-9/24</td>
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<td>SCR-694-C</td>
<td>28694-V76-1</td>
<td>28694-6-12-24</td>
<td>6/12/24</td>
<td>283503-8-V76-1/5</td>
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<tr>
<td>AN/PRC-8</td>
<td>283503-8-V76-1</td>
<td>283503-8</td>
<td>24</td>
<td>283503-8-V76-1/5</td>
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<tr>
<td>AN/PRC-9</td>
<td>283503-9-V76-1</td>
<td>283503-9</td>
<td>24</td>
<td>283503-8-V76-1/5</td>
</tr>
<tr>
<td>AN/PRC-10</td>
<td>283503-10-V76-1</td>
<td>283503-10</td>
<td>24</td>
<td>283503-8-V76-1/5</td>
</tr>
</tbody>
</table>

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

<table>
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<tr>
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<tbody>
<tr>
<td>AN/GRC-9</td>
<td>282501-9-V76-1</td>
<td>282501-9/24</td>
<td>6/12/24</td>
<td>2812-9-V76-1/50</td>
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<tr>
<td>SCR-694-C</td>
<td>28694-V76-1</td>
<td>28694-6-12-24</td>
<td>6/12/24</td>
<td>2812-9-V76-1/50</td>
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<tr>
<td>SCR-619</td>
<td>28619-V76-1</td>
<td>28619-6-12-24</td>
<td>6/12/24</td>
<td>28619-V76-1</td>
</tr>
</tbody>
</table>

*NOTE: For each of the combination radio installations, two (2) Radio Power Feed Kits, Ordnance Stock No. 0758-5701808, (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.
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:

   DRAWING NUMBER     TITLE
   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:

   DRAWING NUMBER     TITLE
   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/VRQ-8
TO 10, AN/VRQ-16 TO 18, AN/PRC-8 TO 10, OR SCR-619
IN TRUCK, 1/4 TON, 4X4, UTILITY, M38 & M38AL

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Number of Pages: 10

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/VRQ-8 to 10 or AN/VRQ-16 to 18: (Contd)

DRAWING NUMBER
SC-D-28623
SC-D-28625
SC-B-28561
SC-C-28209
SC-C-28185
SC-C-28591
SC-C-28592
SC-D-75366
SC-D-75367
SC-B-28602
SC-B-28603
SC-B-75395
SC-B-75396

TITLE
Installation of Radio Sets AN/VRQ-1 to 3 or AN/GRC-3
to 8 in Truck, Utility, 1/4 Ton, 4X4, M38 or
M38AL (on Mounting FT-285) Drilling Details
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
Assembly Instructions for Mast Base AB-15/GR (For lead-
ins using BNC connectors)
Preparation of Cable WM-46/U
Cable Preparation and Assembly of Waterproof Vehicle
Terminal Box Plugs
Bracket Assembly
Bracket
Antenna Support AB-449/G
Antenna Support
Angle
Angle
Reinforcement
Reinforcement

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

DRAWING NUMBER
SC-D-28679
SC-D-28680

TITLE
Installation of Radio Sets AN/GRC-3 thru 8 and AN/VRQ-16
thru 18 on floor of Truck, Utility, 1/4 Ton, 4X4,
M38 & M38AL.
Installation of Radio Sets AN/GRC-3 thru 8 and AN/VRQ-16
thru 18 on floor of Truck, Utility, 1/4 Ton, 4X4, M38
& M38AL. Drilling Details

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### III. INSTL INSTRS: 4. Radio Sets AN/GRC-9 or SCR-694-C Installed in Comp with Radio Sets AN/GRC-3 to 8, AN/VRQ-1 to 3, AN/VRQ-8 to 10 or AN/VRQ-16 to 18!

<table>
<thead>
<tr>
<th>DRAWING NUMBER</th>
<th>TITLE</th>
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<tbody>
<tr>
<td>SC-B-28625</td>
<td>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</td>
</tr>
<tr>
<td>SC-B-28561</td>
<td>Assembly Instructions for Mast Base AB-15/GR (for lead-ins using BNC connectors)</td>
</tr>
<tr>
<td>SC-C-28209</td>
<td>Preparation of Cable WW-46/U</td>
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<tr>
<td>SC-C-28185</td>
<td>Cable Preparation and Assembly of Waterproof Vehicle Terminal Box Plugs</td>
</tr>
<tr>
<td>SC-C-28491</td>
<td>Bracket Assembly</td>
</tr>
<tr>
<td>SC-C-28592</td>
<td>Bracket</td>
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<tr>
<td>SC-D-75366</td>
<td>Antenna Support AB-449/G</td>
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<tr>
<td>SC-D-75367</td>
<td>Antenna Support</td>
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<tr>
<td>SC-B-75393</td>
<td>Reinforcement</td>
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<td>Spacer</td>
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<td>SC-D-75366</td>
<td>Antenna Support AB-449/G</td>
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<tr>
<td>SC-D-75367</td>
<td>Antenna Support</td>
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**(3) Radio Sets AN/VRQ-8 to 10:**

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<th>TITLE</th>
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<tr>
<td>SC-D-75682</td>
<td>Installation of Radio Sets AN/VRQ-8 to 10 for Combination in Truck, 1/4 Ton, 4x4, Utility, M38 &amp; M38A1</td>
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<td>SC-B-75683</td>
<td>Installation of Radio Sets AN/VRQ-8 to 10 for Combination in Truck, 1/4 Ton, 4x4, Utility, M38 &amp; M38A1. Drilling Details</td>
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<tr>
<td>SC-C-75008</td>
<td>Support Assembly Kit</td>
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<tr>
<td>SC-D-75009</td>
<td>Channel</td>
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<td>SC-C-75010</td>
<td>Bracket</td>
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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/VRC-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

Issue No: 4, 26 January 1956
Number of Pages: 10

1. INSTALLATION:

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

   DRAWING NUMBER
   SC-C-75011
   SC-B-75012
   SC-B-75149
   SC-D-75244
   SC-C-28185
   SC-D-75366
   SC-D-75367
   SC-B-28561

   TITLE
   Bracket
   Reinforcement
   Spacer
   Installation of Support Assembly Kit
   Assembly of Waterproof Vehicle Terminal Box Plugs
   Antenna Support AB-449/G
   Antenna Support
   Assembly Instructions for Mast Base AB-15/GR (for lead-ins using ENC connectors)

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

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

   DRAWING NUMBER
   SC-D-28679
   SC-D-28680
   SC-B-28561
   SC-B-28185
   SC-B-75393
   SC-B-28799
   SC-D-75366
   SC-D-75367

   TITLE
   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
   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)
   Assembly Instructions for Mast Base AB-15/GR (for lead-ins using ENC connectors)
   Cable Preparation and Assembly of Waterproof Vehicle
   Terminal Box Plugs
   Reinforcement
   Spacer
   Antenna Support AB-449/G
   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

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 181 (Contd)

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

DRAWING NUMBER
SC-D-28674
SC-D-28675
SC-B-28561
SC-B-28185
SC-B-28602
SC-B-28603
SC-B-75395
SC-B-75306
SC-D-75366
SC-D-75367

TITLE
Installation of Radio Sets AN/VRC-16 to 18 in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1 (on Mounting
FT-285)
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)
Assembly Instructions for Mast Base AB-15/CR (for lead-
ins using BNC connectors)
Cable Preparation and Assembly of Waterproof Vehicle
Terminal Box Plugs
Angle
Angle
Reinforcement
Reinforcement
Antenna Support AB-449/G
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:

DRAWING NUMBER
SC-D-28685

TITLE
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
III.  INSTALL INST.  

b. Radio Sets AN/PRC-8 to 10 Installed in Comb with Radio Sets AN/GRC-9 or SCR-694-Ci (Cont'd)

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<tbody>
<tr>
<td>SC-B-28686</td>
<td>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</td>
</tr>
<tr>
<td>SC-C-75366</td>
<td>Antenna Support AB-449/G</td>
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<tr>
<td>SC-C-75367</td>
<td>Antenna Support</td>
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<tr>
<td>SC-B-28561</td>
<td>Assembly Instructions for Mast Base AB-15/GR (for lead-ins using BNC connectors)</td>
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<td>SC-B-75332</td>
<td>Reinforcement</td>
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(2) Radio Sets AN/GRC-9 or SCR-694-Ci

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<tr>
<td>SC-D-28616</td>
<td>Installation of Radio Set AN/GRC-9 or SCR-694-C in Truck, Utility, 1/4 Ton, 4x4, M38 or M38A1 Rear Location</td>
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<td>SC-D-28621</td>
<td>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</td>
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<tr>
<td>SC-B-28566</td>
<td>Assembly Instructions for Mast Base WP-65 (for wire lead-ins using a Binding Post Attachment)</td>
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<tr>
<td>SC-B-28682</td>
<td>Vibrator Power Unit PE-237 Modification of Power Cord Connections</td>
</tr>
<tr>
<td>SC-B-75340</td>
<td>Reinforcement</td>
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<td>SC-C-28591</td>
<td>Bracket Assembly</td>
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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/VRC-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

Issue No: 3, 16 January 1956

Number of Pages: 10

III. INSTL INSTR: b. Radio Sets AN/PRC-8 to 10 Installed in Comb with Radio Sets AN/GRC-9 or SCR-694-C1 (Contd)

DRAWING NUMBER

SC-C-28592
SC-C-28372

TITLE
Bracket
Power Cord

a. Radio Set SCR-619 Installed in Combination with Radio Sets AN/GRC-9 or SCR-694-C1

DRAWING NUMBER

SC-D-28684
SC-D-28683
SC-C-28687
SC-C-28642
SC-C-28595
SC-C-28594
SC-B-28564
SC-B-28566
SC-B-28681
SC-B-28682
SC-B-28635
SC-C-28599
SC-C-28591
SC-C-28592

TITLE
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
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
Radio Sets AN/GRC-9 or SCR-694-C and SCR-619 in Truck, Utility, 1/4 Ton, 4X4, M38 or M38A1, Drilling Details
Antenna Base AB-239/G Assembly
Spacer
Space
Assembly Instructions for Mast Base AB-15/GR (For Use with Radio Set SCR-619)
Assembly Instructions for Mast Base WP-65 (for Wire Lead-Ins Using a Binding Post Attachment)
Channel
Vibrator Power Unit PE-237 Modification of Power Cord Connections
Block
Spacer
Bracket Assembly
Bracket

9
ILL. INSTL INSTAS: c. Radio Set SCR-619 Installed in Comb with Radio Sets AN/GRC-9 or SCR-694-C (Contd)

<table>
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<tr>
<td>SC-B-75340</td>
<td>Reinforcement</td>
</tr>
<tr>
<td>SC-B-75341</td>
<td>Reinforcement</td>
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</table>
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.

PLUG
(SIG C STK NO.

DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± 1/64
DECIMALS ± .005
ANGLES ± —
COMMERCIAL TOLERANCES
APPLY TO STOCK SIZES
ALL SURFACES ✓
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.
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.

WIRE LEAD-IN PREPARATION DETAIL

STEP 1 Cut insulation back 3/4; taper back 1/8.
STEP 2 Tin the end of wire lead-in to a depth not to exceed 1/8.
METAL STAMP, OR RUBBER STAMP IN A PERMANENT YELLOW, CHARACTERS AND MARKINGS TO MEET THE TEST REQUIREMENTS OF SPEC 71-4944.

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
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 T7-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.

METAL STAMP, OR RUBBER STAMP IN A PERMANENT
YELLOW, CHARACTER AND MARKINGS TO MEET THE

TEST REQUIREMENTS OF SPEC 71-4944.

EXHIBIT II P

UNLESS OTHERWISE

SPECIFIED

AUTHENTICATION

DRAWN BY:

SHIELDS

DIMENSIONS ARE IN INCHES

TOLERANCES ON

FRACTIONS ± 1/64
NORMALS ± 1/64
ANGLES ± 1/64

COMMERCIAL TOLERANCES

APPLY TO STOCK SIZES.

ALL SURFACES √

SCALE 1/4" FINISH

DATE 11 APR 51

DEPARTMENT OF THE ARMY

SIGNAL CORPS ENGINEERING

LABORATORIES

PORT HOLLUMSBEEN NEW JERSEY

SC-B-28603

WHEN REFERENCING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL AND DATE.
STEEL, CLASS 4 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.
REPLACE PRESENT CONNECTOR WITH CONNECTOR PER SC-D-16576 GROUP B

TAPE EXPOSED GROUND LEAD

MOUNTING MT-297/GR, MT-298/GR SHOWING POWER CORD INTERCONNECTION
STEEL, NOT 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.

MATERIAL STAMP, OR RUBBER STAMP IN A PERMANENT YELLOW, CHARACTERS AND MARKINGS TO MEET THE TEST REQUIREMENTS OF SPEC 71-4944.
POWER CABLE PER SC-D-28372 (TO VEHICLE POWER SOURCE)

Cord CD-1086 (PART OF RADIO SET AN/GRC-9)

POWER CORD (PART OF SECOND RADIO SET)

TERMINAL LUGS, ELECTRICAL

VIBRATION POWER UNIT PE-237 (PART OF RADIO SET AN/GRC-9)

VIBRATION POWER UNIT PE-237
MODIFICATION OF POWER CORO CONNECTIONS

SC-B-28682
NOTE:
1. UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
2. INSTALLATION PER SC-D-28685

FRONT OF VEHICLE

20
7 1/8

3/8 DIA 4 HOLES
FOR SPACER SC-C-28597

SC-B-28686

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
Steel, hot rolled, as rolled condition, per Spec QQ-S-636. Remove all burrs.

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 71-944.
SC-B-75149

STAMP IN A PERMANENT YELLOW AFTER FINISH HAS BEEN APPLIED. CHARACTERS AND MARKINGS TO MEET THE APPLICABLE TEST REQUIREMENTS OF SPEC 71-434.

P (.323 Dia) DRILL

SHELL BE OAK OR MAPLE LUMBER NO. 2 COMMON KILN-DRY, 5455 PER SPEC MM-L-736.

supply: SHIELDS
TRACED PHOTO
VERIFIED WGC
APPROVED AEC
REVIEWED HMG
DATE 7 APRIL 53
SCALE 2:1
FINISH 90-35000-300

SC-B-75149

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

APPLICATION
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-13237.

STEEL, HOT ROLLED, AS ROLLED CONDITION, PER SPEC QQ-S-576. REMOVE ALL BURRS.
STEELE, COLD ROLLED, CONDITION NO. 2 DULL FINISH
PER SPEC QQ-S-636.
REMOVE ALL BURRS.

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 71-4344.
STEEL COLD ROLLED CONDITION NO. 2 DULL FINISH
PER SPEC Q0-S-886
REMOVE ALL BURRS

METAL STAMP BEFORE FINISH IS APPLIED OR
RUBBER STAMP IN A PERMANENT YELLOW
AFTER FINISH IS APPLIED CHARACTER AND
MARKINGS TO MEET THE APPLICABLE TEST
REQUIREMENTS OF SPEC 71-434

SC-B-75341

2 Holes

1/8

1/2

3/4

9/10

1/4

1/2

1-1/2
RUBBER STAMP IN A PERMANENT YELLOW AFTER FINISH IS APPLIED. CHARACTERS & MARKINGS SHALL MEET THE APPLICABLE TEST REQUIREMENTS OF SPEC 71-4914

STEEL, CLASS A PER SPEC MIL-S-13281
REMOVE ALL BURRS.
RUBBER STAMP IN A PERMANENT YELLOW AFTER FINISH IS APPLIED. CHARACTERS & MARKINGS SHALL MEET THE APPLICABLE TEST REQUIREMENTS OF SPEC 71-1944.

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

REINFORCEMENT

SC-B-75395

DATE 27 APR 55 SCALE 1/1 FINISH 90-345
STEEL CLASS A PER SPEC MIL-S-13281
REMOVE ALL BURRS

RUBBER STAMP IN A PERMANENT
YELLOW AFTER FINISH IS APPLIED.
CHARACTERS AND MARKINGS SHALL
MEET THE APPLICABLE TEST
REQUIREMENTS OF SPEC 71-4944.
Co-Driver Side (Inside View)

9/32 DIA 2 HOLES MOUNTING HOLES FOR RADIO POWER FEED KIT BRACKET

Top View of Spare Tire Bracket Drilling for Antenna Support AB-449/G

For Installation See SC-D-75682

List of Material

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON FRACTIONS DECIMALS ANGLES ± 1/64

AUTHENTICATION
DRAWN HJWILCO
TRACED PHOTO
CHECKED AND
VERIFIED WAP
APPROVED LC
REVIEWED
DATE 10 OCT 55

INSTALLATION OF RADIO SETS AN/VRC-8 TO10 FOR COMBINATION IN TRUCK UTILITY, 1/4 TON, 4 X 4 M38 & M38A1 DRILLING DETAILS

DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY SC-B-75683

WHEN REFERRING TO THIS DRAWING STATE DRAWING NO., APPLICABLE ISSUE SYMBOL, IF ANY, AND DATE,
EXPLODED VIEW OF PLUG ASSEMBLY
WITH CABLE
WM-46/U

CABLE CD-212
SAME AS VIEW ABOVE

CABLE CD-213
SAME AS VIEW ABOVE

NOTE 1
PREPARE CABLE PER SC-O-28009
PREPARE CABLE PER SC-A-9105

NOTE 2

BEDNOSKI
ERICKSON
M.I.

ASSEMBLY OF WATERPROOF
VEHICLE TERMINAL BOX PLUGS

ST

16 NOV 1949

SC-C-28185
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-596.
3. ABBREVIATIONS ARE PER JAN-STD-12.
4. THIS DRAWING AND DRAWINGS, SPECIFICATIONS AND PUBLICATIONS REFERENCED, AND THEIR SUBSIDIARIES, IF ANY, CONSTUTUE ALL THE NECESSARY DATA RELATING TO DRAWINGS.

EXHIBIT II-B-1

<table>
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<th>LOCK WASHER #4018-94</th>
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<tr>
<td>16</td>
<td>102-25-576</td>
<td>HEX NUT</td>
</tr>
<tr>
<td>6</td>
<td>100-1555-3</td>
<td>HHMS</td>
</tr>
<tr>
<td>4</td>
<td>100-4558-10</td>
<td>FHMS</td>
</tr>
<tr>
<td>1</td>
<td>SC-C-28592</td>
<td>BRACKET</td>
</tr>
</tbody>
</table>

SCALE: 1/2
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.

METAL STAMP OR RUBBER STAMP IN A PERMANENT
YELLOW CHARACTERS AND MARKINGS TO
MEET THE TEST REQUIREMENTS OF
SPEC 71-4244.

- ½ DIA
- 2 HOLES

- 3/8 DIA
- 4 HOLES

- 3/8 DIA
- CSINK
O NTOSE SIDE
B2" x 641 DIA
4 HOLES
SMALL BE OAK OR MAPLE LUMBER NO. 2 COMMON KILN-DRY 54S PER SPEC MM-2-79E
FINISH PER SPEC 72-53, TABLE 1, TYPE I, COLOR CONFIRMING 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.

---

VOCAL OR RUBBER STAMP IN A PERMANENT
YELLOW CHARACTERS AND MARKINGS TO
MEET THE TEST REQUIREMENTS OF
SPEC II-4344.

#DRILL 2-HOLES
#2DRILL ½ CIRCLE 1 INCH - ⅛ DEEP
2-HOLES

SMALL BE OAK OR MAPLE LUMBER NO. 2 COMMON KILN-DRY 54S PER SPEC MM-2-79E
FINISH PER SPEC 72-53, TABLE 1, TYPE I, COLOR CONFIRMING 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.

SC-C-28594

---

VOCAL OR RUBBER STAMP IN A PERMANENT
YELLOW CHARACTERS AND MARKINGS TO
MEET THE TEST REQUIREMENTS OF
SPEC II-4344.
SHELL OR RUBBER STAMP IN A PERMANENT YELLOW, CHARACTER, AND MARKING TO MEET THE TEST REQUIREMENTS OF SPEC 71-494.

SHELL BLOCK MAPLE LUMBER NO. 2 COMMON KILN-DRIED, SAS PER SPEC MM-L-706.
FINISH PER SPEC 72-30, TABLE 1, TYPE F COLOR CONFORMING TO #408.

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

Drill 2 holes

SC-C-28597

Drill core 1 inch dia. 3 deep

2 reqd

Shall be Oak or Maple lumber No 2 common kiln-dry, 84.5% per Spec MA-L-736. Finish per Spec 72-53, Table 1, 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.

SPACER

(Sig C STK No. 1)

SC-C-28597
WOOD 5E-3-10 PER SIGNAL CORPS STANDARD 5E-3.

- RUBBER STAMP IN A PERMANENT YELLOW AFTER FINISH HAS BEEN APPLIED, CHARACTERS AND MARKINGS SHALL MEET THE APPLICABLE TEST REQUIREMENTS OF SPEC 71-94A.

Dimension Details:
- 10
- 4 1/2
- 3 1/2
- 2 1/2
- 1
- 3 1/2
- 5
- 1 1/2

3/8 DRILL 3 HOLES

SPACER
NOTE:
1. A-ANREFERS TO EITHER RT-66/GRC, RT-67/GRC OR RT-68/GRC. "C" 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-378/GRC IN RADIO TRANSMIT POSITION BY MEANS OF A SET SCREW.
4. JUMPERS ARE TO BE USED ONLY WITH RADIO SETS AN/GRC-1 THRU 3.
5. CONNECT CLAYE TO PIN B ON MOUNTING MT-298/GR.
6. SET "TANK-VEN-TANK" SWITCH ON RT-70/GRC CHASSIS TO "VEN" POSITION.

SUPERSEDES SC-B-28625
OPERATION OF CONTROL BOX C-378/GRC

RADIOSETS AN/GRC-3 THRU 8 OR AN/VRQ-1 THRU 3 IN COMBINATION WITH AN/ARC-9 OR SCR-694-C INTERCONNECTION OF COMPONENTS

<table>
<thead>
<tr>
<th>RADIO SETS</th>
<th>MAIN CONTROL SWITCH POSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN/GRC-3</td>
<td>POSITION 1</td>
</tr>
<tr>
<td>AN/VRQ-1</td>
<td>POSITION 2</td>
</tr>
<tr>
<td>AN/GRC-9</td>
<td>POSITION 3</td>
</tr>
</tbody>
</table>

AUTHENTICATION:
1. SIGNATURE IDENTIFICATION:
2. DATE: ____________
3. APPROVAL: ____________

DEPARTMENT OF THE NAVY SIGNAL CORPS ENGINEERING LABORATORIES

PORT MONMOUTH, NEW JERSEY

SC-C-28625

[Diagram of wiring connections and annotations]
NOTES:
1. CATHODE COATED AS SUPPLIED BY SHREWSMOUTH INC.,
   CHICAGO, ILL OR EQUAL.
2. ABBREVIATIONS ARE PER JAN-STD-41.
3. THIS DRAWING AND DRAWINGS, SPECIFICATIONS
   AND PUBLICATIONS REFERENCED AND THEIR
   SUBSIDIARIES, IF ANY, CONSTITUTE ALL THE
   NECESSARY DATA RELATING TO DRAWINGS.
NOTE:
1. STEEL, CATHODIC PLATED, AS SUPPLIED BY SHACKPROOF INC.,
   CHICAGO, ILL., OR EQUAL
2. THIS ASSEMBLY SHALL BE SHIPPED UNASSEMBLED.
3. ASSEMBLERS ARE TO MEET MIL-STD-42.
STEEL, CLASS A PER SPEC 31-114-1
REMOVING ALL BURRS.
ALL WELDS SHALL BE OF AMple SIZE
WITH THROUGH PENETRATION AND
GOOD FUSION, FREE FROM ALL SURFACE
DEFECTS, AND STRONGER THAN THE
MATERIALS WHICH THEY JOIN.

METAL STAMP BEFORE FINISH IS APPLIED
OF EMBOSSED STAMP IN PERMANENT
YELLOW AFTER FINISH IS APPLIED
CHARACTERS AND MARKINGS TO MEET
THE APPLICABLE TEST REQUIREMENTS
OF SPEC 31-1144.
STEEL, CLASS A PER SPEC 57-110-1
REMOV ALL BURPS.
ALL WELDS SHALL BE OF AMPE SIZE WITH
THROUG PENETRATION AND GRO FUSION,
FREE FROM ALL SURFACE DEFECTS AND
STRONGER THAN THE MATERIALS WHICH
THEY JOIN.
NOTE:
1. UNLESS OTHERWISE SPECIFIED, DIRECTIONS ARE IN INCHES.
2. INSTALLATION IS IN PER 46-0-Scope.
**STEP I**

First step is to remove dome seat. Place brackets on floor so the cutout portion fits around spring seat support. Use brackets for templates and small line locations indicate. Use small holes in holder right as shown in detail A.

**STEP II**

Secure brackets in place with hardware provided.

**STEP III**

Secure machine to channels with hardware provided.

**STEP IV**

Secure channels with mounting attached to brackets with hardware provided.
STEEL CLASS A, PER SPEC ST-144-1.

PREPARE ALL SURFACES.

ALL VENTS SHALL BE OF SIMPLE SIZE WITH THOROUGH Pénétration AND GOOD FUSION, FREE FROM ALL SURFACE DEFFECTS, AND STRONGER THAN THE MATERIALS WHICH THEY JOIN.

ALL VENTS UNLESS OTHERWISE SPECIFIED SHALL BE $\frac{3}{16}$