

SUPERSEDES TB ORD 44-25, DATED 27 DECEMBER 1963

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

SHOP SET, RADAR AND RADIO REPAIR,

FIELD MAINTENANCE SIGNAL CORPS

(NSN 4940-00-508-1036)

INSTALLATION IN ONE M109A3 SHOP VAN TRUCK

Approved for public release; distribution is unlimited.

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HEADQUARTERS
 DEPARTMENT OF THE ARMY
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Reporting Errors and Recommending Improvements

You can help improve this bulletin. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Armament, Munitions and Chemical Command, ATTN: AMSMC-MAS (R), Rock Island, IL 61299-6000. A reply will be furnished to you.

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*This bulletin supersedes TB ORD 444-25, dated 27 December 1963.

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1. General

a. Instructions contained in this bulletin are to be used only as advice and guidance for installation of field maintenance signal corps radar and radio repair shop set (NSN 4940-00-508-1036) in one M109A3 shop van truck (fig. 1).

b. Slight variations to the installation instructions may be made at the discretion of the officer in charge.

c. Complete lists of items contained in this shop are found in SC 4940-95-CL-A01.

d. Personnel performing this installation should have a practical knowledge of electricity.

e. Items not mentioned in this bulletin, that may be components of this shop, may be stowed in cabinets and drawers or secured in such a manner as to avoid damage in transit.

f. All dimensions, fastener sizes, and hardware sized are in inches.

g. When entering shop, curbside is at right and roadside is at left.

2. Warnings and Cautions

WARNING

All electrically-powered tools and equipment must be grounded prior to use.

Drill bits can fracture or break during use. Wear safety glasses at all times when drilling holes.

CAUTION

Special care should be exercised to avoid damage to electrical connectors, wiring, or electrical equipment.

To preserve its waterproof characteristics, precautions should be taken not to puncture the outer skin when drilling holes into the walls or floor of the shop. Coat underside of van body with coating compound (UNDERCOATING TT-C-520, NSN 8030-00-221-1834) where mounting hardware projects through floor.

3. Location of Equipment

a. For location of equipment installed or stowed in M109A3 shop van truck, refer to figures 2 thru 7, 9 thru 11, 13, 15, and 16.

(1) Refer to table 1 for hardware required for installation.

(2) Refer to table 2 for components to be mounted.

(3) Refer to table 3 for electrical components to be mounted.

(4) Refer to table 4 for components to be fabricated.

b. Refer to table 5 for standard conversion chart.