

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

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SHOP EQUIPMENT, AUTOMOTIVE MAINTENANCE AND REPAIR,  
FIELD MAINTENANCE BASIC  
(NSN 4910-00-754-0705),  
INSTALLATION IN  
ONE M109A3 SHOP VAN TRUCK,  
TWO M35A2 CARGO TRUCKS,  
AND  
THREE M105A2 CARGO TRAILERS

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pages from Change 1.

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HEADQUARTERS  
DEPARTMENT OF THE ARMY  
Washington, DC, 17 April 1987

**SHOP EQUIPMENT, AUTOMOTIVE MAINTENANCE AND REPAIR**

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\*This bulletin supersedes TB ORD 4900-30/3, dated 9 September 1958.

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## 1. General

a. Instructions contained in this bulletin are to be used as a guide for installation of field maintenance basic automotive maintenance and repair shop equipment (NSN 4910-00-754-0705) in one M109A3 shop van truck, two M35A2 cargo trucks, and three M105A2 cargo trailers.

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 4910-95-CL-A31.

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 storage cabinets and drawers or secured in such a manner as to avoid damage in transit.

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

g. When entering the 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.

Extinguish all smoking materials and do not permit an open flame or sparks in the vicinity of flammable gases or liquids.

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 of the shop. Coat underside of vehicle body with coating compound (UNDER-COATING TT-C-520, NSN 8030-00-221-1834) where mounting hardware projects through floor.

## 3. Location of Equipment

a. Location of equipment installed or stowed in units 1 thru 6 is referenced in figures 1 thru 39.

(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.

b. Refer to table 4 for standard conversion chart.