

*** T B 9 - 4 9 3 1 - 3 5 3 - 3 0**

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

SHOP SET, INSTRUMENT AND FIRE CONTROL:

FIELD MAINTENANCE, BASIC

(4931-754-0740):

INSTALLATION IN ONE 2-1/2-TON,

6 X 6 SHOP VAN TRUCK, M109 OR M220

Headquarters, Department of the Army, Washington, D. C.
20 October 1970

This bulletin is current to 18 September 1970.

1. **General.** a. Instructions contained in this bulletin are to be used as a guide for installation of Shop Set, Instrument and Fire Control, Field Maintenance, Basic, 4931-754-0740, in one 2-1 / 2-Ton, 6 x 6 Shop Van Truck, M109 or M220.

b. These instructions are to be followed as prescribed in most instances. However, slight variations to the installation may be made at the discretion of the Officer in charge.

c. A complete list of items contained in this set is included in SC 4931-95-CL-A07.

d. Personnel performing this installation should have a practical knowledge of electricity. Special care should be exercised to avoid damage to wire or electrical equipment.

e. Precautions should be observed when drilling holes through the body to insure the waterproof characteristics of the body are retained. All hard-

ware extending through the floor of the van should have outer parts covered with undercoating similar to that used on the underside of vehicles. Care should be taken that holes drilled into the floor do not penetrate the frame or cross members of the vehicle.

f. Items not mentioned in this bulletin, that are components of the set, may be stowed in cabinets or secured in convenient places in such a manner as to avoid damage in transit.

2. **Installation of Shop Set.** a. The floor plan for the shop van with each item in its designated spot is shown in figure 1. Curbside and roadside views are shown in figures 2 and 3 respectively. Figure 4 shows view of fabricated Nitrogen Tank Support Block. Equipment to be mounted and item to be fabricated and mounted are listed in table 1.

*** This technical bulletin supersedes TB ORD 444-12, dtd 27 April 1955, including changes.**