

TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE ALLOWANCES)

TRUCK, CHASSIS: 5-TON, 6x6

M39, M3942, M40, M40A1,
M40A2, M40A1C, M40A2c, M61, M61A1, M61A2, M63, M63A1,
M63A2, M63C, M63A1C, M63A2C, M63A1D, M63A2D, M139A1,
M139A2, M139C, M139A2C, M139D, M139A2D, M139F,
M139A1F, M139A2F; TRUCK, CARGO: M41, M41A2, M54,
M54A1, M54A2, M54A1C, M54A2C, M55, M55A1, M5SA2;
TRUCK, DUMP: M51, M51A1, M51A2; TRUCK, TRACTOR:
M52, M52A1, M52A2; TRUCK, TRACTOR, WRECKER:
M246, M246A1, M246A2; TRUCK, VAN, EXPANSIBLE:
M291A1, M291A2, M291A1C, M291A2C, M291A1D, M291A2D;
TRUCK, WRECKER, MEDIUM: M62, M62A2, M543,
M543A1, M543A2; TRUCK, BRIDGING: M139, M328A1,
M328A2 ; TRUCK, LOGGING, M748A1, M748A2.

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SECTION I

INTRODUCTION

1-1. Scope

This manual lists repair parts and special tools required for the performance of direct support, general support, and depot maintenance of the 5-Ton, 6 x 6 Truck.

1-2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. *Repair Parts-Section II.* A list of repair parts authorized for the performance of maintenance at the direct support, general support and depot maintenance level in figure and item number sequence.

b. *Special Tools, Test and Support Equipment — Section III.* A list of special tools, Test, and Support equipment authorized for the performance of maintenance at the direct support, general support and depot level.

c. *Federal Stock Number and Reference Index — Section IV.* A list of Federal stock numbers in ascending numerical sequence followed by a list of reference numbers in ascending alpha-numeric sequence, cross-referenced to the illustration figure number and item number.

1-3. Explanation of Columns

The following provides an explanation of columns in the tabular list in section II and 111,

a. *Source, Maintenance, and Recoverability Codes (SMR), Column 1.*

(1) Source code, indicates the section status and source for the listed item. Source codes used are—

Code	Explanation
P	Repair Parts, Special Tools and Test Equipment supplied from GSA/DSA, or Army supply system, and authorized for use at indicated maintenance categories.
P2	Repair Parts, Special Tools and Test Equipment which are procured and stocked for insurance purposes because the combat or military essentiality of the end item dictates that a minimum quantity be available in the supply system.
P9	Assigned to items which are NSA design controlled: unique repair parts, special tools, test, measuring and diagnostic equipment, which are stocked and supplied by the Army COMSEC Logistic System and which are not subject to the provisions of AR 380-41.

Code

Explanation

P10	Assigned to items which are NSA design controlled: special tools, test, measuring and diagnostic equipment for COMSEC support, which are accountable under the provisions of AR 280-41, and which are stocked and supplied by the Army COMSEC Logistic System,
M	Repair Parts, Special Tools and Test Equipment which are not procured or stocked, as such, in the supply system but are to be manufactured at indicated maintenance levels.
A	Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately and can be assembled to form the required assembly at indicated maintenance categories.
X	Parts and assemblies that are not procured or stocked because the failure rate is normally below that of the applicable end item of component. The failure of such part or assembly should result in retirement of the end item from the supply system.
X1	Repair Parts which are not procured or stocked. The requirement for such items will be filled by the next higher assembly or component.
X2	Repair Parts, Special Tents, and Test Equipment which are not stocked and have no foreseen mortality. The indicated maintenance category requiring such repair parts will attempt to obtain the parts through cannibalization or salvage, if not obtainable through cannibalization (or salvage, the item may be requisitioned with exception data, from the end item manager, for immediate use.
G	Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU and GSU level. These assemblies will not be stocked above the DS and GS level or returned to depot supply level.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above, except those coded X1.

(2) Maintenance Code, indicates the lowest category of maintenance authorized to install the listed item. The maintenance level codes are—

Code	Explanation
C	Crew of Operator Maintenance
O	Organization Maintenance
F	Direct Support Maintenance
H	General Support Maintenance
D	Depot Maintenance

(3) Recoverability Code, indicates whether unserviceable items should be returned for recovery or salvage, Recoverability Codes are—

Code	Explanation
R	Applied to repair parts, (assemblies and components) special tools and test equipment which are considered economically repairable at Direct and General Support Maintenance levels. When the item is no longer economically repairable, it is normally disposed of at the GS level. When supply considerations dictate, some of these repair parts may be listed for automatic return to supply for depot level repair as set forth in AR 710-50. When so listed, they will be replaced by supply on an exchange basis.
S	Repair Parts, Special Tools, Test Equipment and assemblies which are economically repairable at DSU and GSU activities and which normally are furnished by supply on an exchange basis. When items are determined by a GSU to be uneconomically repairable, they will be evacuated to a depot for evaluation and analysis before final disposition.
T	Higher dollar value recoverable repair parts, special tools, and test equipment which are subject to special handling and are issued on an exchange basis. Such items will be evacuated to the depot for overhaul or final disposition. Communications-Electronics and Missile Support items will be repaired / overhauled only at depots.
U	Repair Parts, Special Tools and Test Equipment specifically selected for salvage by reclamation units because of precious metal content, critical materials, high dollar value or reusable casings or castings.

NOTE

When no code is indicated in the recoverability column, the part will be considered non-recoverable.

b. Federal Stock Number (FSN, Column 2. This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

c. Description, Column 3. This column indicates the Federal item name and any additional description of the item required, A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parentheses. Repair parts quantities included in the kits, sets, within one functional group are shown in front of the repair part name. Material required for manufacture or fabrication is identified.

d. Unit of Measure (U/M), Column 4. A 2 character alphabetic abbreviation indicating the amount or quantity of the item, upon which the allowances are based, e.g., ft., ea., pr., etc.

e. Quantity Incorporated in Unit, Column 5. This column indicates the quantity of the item used in the Assembly Group. A “V” appearing in

this column in lieu of a quantity indicates that a definite quantity cannot be indicated (e.g., shims, spacers, etc.).

f. 30-Day DS/GS Maintenance Authorization, Columns 6, and 7.

(1) The Repair Parts List includes asterisk entries in separate columns—one for Direct Support (DS) and one for General Support (GS)—as appropriate to indicate the total range of repair parts authorized for usc at that category or required to be removed or disassembled during the perform ante of authorized maintenance operations. They will be requisitioned initially on an “as required” basis. The repair parts authorized at the DS/GS levels will be those authorized for the maintenance mission at these levels. Requirements for repair part stockage and for distribution to supported units will be based on demand and determined in accordance with AR 710-2.

(2) Special Tools or Teat, Measurement and Diagnostic Equipment (TMDE) and other support equipment peculiar to an item are listed with quantities in the appropriate density—spread—allow ante columns.

g. 1-Year Allowances Per 100 Equip. ments/Contingency Planning Purposes, Column 8. This column indicates, opposite each item, the quantity required for distribution and contingency planning purposes. The range of items indicates total quantities of all authorized items required to provide for adequate support of 100 equipments for one year.

h. Depot Maintenance Allowance Per 100 Equipments, Column 9. This column indicates opposite each item, the quantity authorized for depot maintenance of 100 equipments. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

i. Illustration, Column 10. This column is divided as follows:

(1) Figure Number, Column 10a. Indicates the figure number of illustration in which the item is shown.

(2) Item Number, Column 10b. Indicates the callout number used to reference the item in the illustration.

1-4. Special Information

a. Identifications of the usable on codes included in column 3 of this publication are—

Code	Used on
A	All Models
AA	Vehicles with R6602 Gas Engine
AB	Vehicles with LDS-465-1A multifuel engines
AC	Vehicles with ENDT 673 Mack Diesel Engines