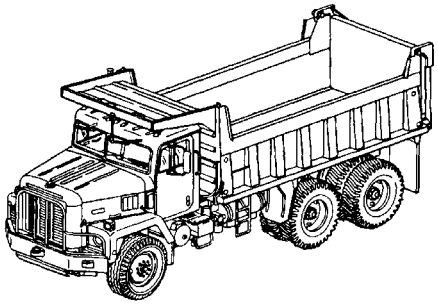
TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL FOR TRUCK, DUMP: 20-TON, 6X4 ON-OFF HIGHWAY, 71,000 GVW (NSN 3805-00-192-7249 IHC MODEL F-5070 (CCE)



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This manual supersedes the Direct Support portion of TM 5-3805-254-14&P-1, dated 22 August 1980 and TM 5-3805-254-14&p-2, dated 12 June 1980.

Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY MARCH 1993

TECHNICAL MANUAL

TM 5-3805-254-34*

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D.C., 1 March 1993

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IHC MODEL F-5070

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2, located in the back of this manual, direct to: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, Ml 48397-5000. A reply will be furnished to you.

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HOW TO USE THIS MANUAL

This manual is designed to help maintain the IHC Model F-5070 (CCE) dump truck. It describes in detail the Direct Support and General Support Maintenance prescribed by the Maintenance Allocation Chart (see TM 53805-254-20) and the Source, Maintenance, and Recoverability (SMR) Codes (see TM 5-3805-254-34P).

FEATURES OF THIS MANUAL:

- Bleed-to-edge Indicators on the cover and on the edge of the applicable manual pages provide quick access to chapters and sections most often used.

- ·A table of contents is provided for all chapters and sections.

- ·WARNINGs, CAUTIONs, and NOTEs, subject headings, and other important information are highlighted in BOLD print as a visual aid.

- Statements and words of particular importance are printed in capital letters to create emphasis.

- Instructions are located together with illustrations that show the specific task on which the technician Is working.

- Equipment locator illustrations are provided throughout the maintenance procedures. These illustrations are for use In locating components and assemblies of the overall equipment.

- An alphabetical index Is provided at the end of the manual to assist in locating information not readily found In the table of contents.

- Technical instructions include metric units In addition to standard units. A metric conversion chart is provided on the inside back cover.

FOLLOW THESE GUIDELINES WHEN YOU USE THE MANUAL:

- Read through this manual and become familiar with its contents before proceeding to specific maintenance tasks.

- A Warning Summary is provided at the beginning of this manual and should be read before performing any maintenance tasks.
- In the actual maintenance tasks, follow all WARNINGs, CAUTIONs, and NOTEs. These are given immediately preceding the procedural steps to which they apply. If these instructions are not followed or care is not taken, Injury to personnel or equipment damage may result.

- Within a chapter, section, or paragraph, headings are used to help group the material and assist in quickly finding tasks. Read all preliminary information found at the beginning of each task. After completing a task, ALWAYS perform the follow-on maintenance at the end of the task.

CHAPTER 1
INTRODUCTION

Section I. GENERAL INFORMATION

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1-1	Scope	1-1
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1-1. SCOPE.

This manual contains instructions for the performance of Direct and General Support Maintenance for the 20-Ton Dump Truck, IHC Model F-5070.

1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS.

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750, The Army Maintenance Management System (TAMMS).

1-3. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE.

For information on destruction of Army materiel to prevent enemy use, refer to TM 750-244-6.

1-4. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIRs).

If your truck needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Put it on an SF Form 368 (Product Quality Deficiency Report). Mail it to us at: Commander, U.S. Army Tank-Automotive Command, Attn: AMSTA-MP, Warren, MI 48397-5000. We'll send you a reply.

Section II. EQUIPMENT DESCRIPTION AND DATA

Paragraph Number	Paragraph Title	Page Number
1-5	Location and Description of Major Components	1-2
1-6	Equipment Data	1-2

1-5. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.

Refer to TM 5-3805-254-10 and TM 5-3805-254-20 for location and description of major components.

1-6. EQUIPMENT DATA.

Refer to TM 5-3805-254-10 for performance data and capacities information. Refer to TM 5-3805-254-20 for principles of operation.

Section III. REPAIR PARTS; SPECIAL TOOLS; TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE); AND SUPPORT EQUIPMENT

Paragraph Number	Paragraph Title	Page Number
1-7	Common Tools	1-3
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1-7. COMMON TOOLS.

For authorized common tools and test equipment, refer to the Modified Table of Organization and Equipment (MTOE) applicable to your dump truck.

1-8. SPECIAL TOOLS.

Refer to TM 5-3805-254-34P for information on special tools and support equipment to support the dump truck.

1-9. REPAIR PARTS.

Refer to TM 5-3805-254-34P for information on repair parts to support the maintenance of the dump truck.

Section IV. GENERAL MAINTENANCE INSTRUCTIONS

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1-10. GENERAL.

a. These general maintenance instructions contain general shop practices and specific procedures you must be familiar with to properly maintain your dump truck. You should read and understand these practices and procedures before performing any Direct Support and General Support Maintenance procedures.

b. Before beginning a task, find out how much repair, modification, or replacement Is needed to fix the equipment. Sometimes the reason for equipment failure can be seen right away and complete teardown Is not necessary. Disassemble equipment only as far as necessary to repair or replace damaged parts.

c. In some cases, a part may be damaged by removal. If the part appears to be good and other parts behind it are not defective, leave it on and continue with the procedure. Here are a few simple rules:

(1) Do not remove dowel pins or studs unless loose, bent, broken, or otherwise damaged.

(2) Do not remove bearings or bushings unless damaged. If you need to remove them to access parts behind, pull bearings and bushings out carefully.

(3) Replace all gaskets, lockwashers, seals, cotter pins, and preformed packings.

d. The following "Initial Setup" information applies to all procedures:

(1) Resources are not listed unless they apply to the procedure.

(2) "Personnel Required" is listed only if more than one mechanic is required to complete the task.

e. All tags and forms attached to equipment must be checked to learn the reason for removal of equipment from service. Modification Work Orders (MWO) and Technical Bulletins (TB) must also be checked for equipment changes and updates.