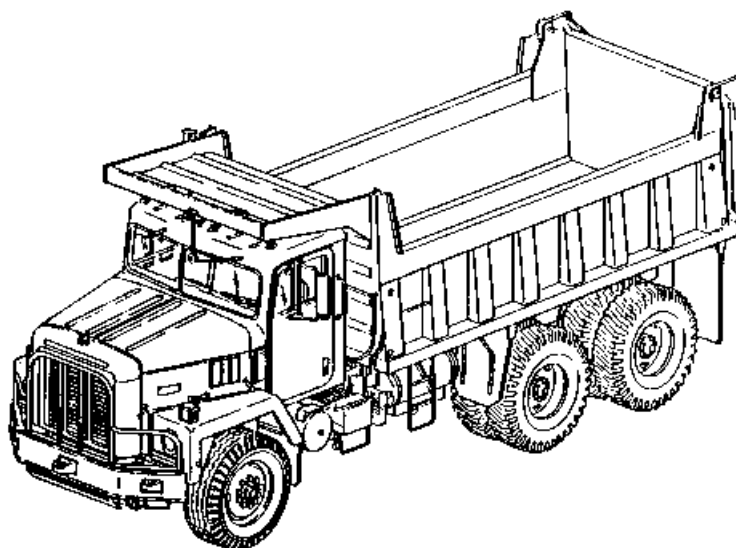


**TECHNICAL MANUAL  
ORGANIZATIONAL MAINTENANCE MANUAL  
VOLUME 1 OF 2**



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**TRUCK, DUMP, 20-TON, 6 x 4  
ON-OFF HIGHWAY, 71,000 GVW  
IHC MODEL F-5070 (CCE)  
(NSN 3805-00-192-7249)**

**Approved for Public Release Distribution is Unlimited**

**JANUARY 1988**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**Organizational Maintenance Manual**

**TRUCK, DUMP: 20-TON, 6 x 4,  
ON-OFF HIGHWAY, 71,000 GVW,  
IHC MODEL F-5070 (CCE)  
(NSN 3805-00-192-7249)**

**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 directly to: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MBS, Warren, MI 48397-5000. A reply will be sent to you.**

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\* This manual supersedes organizational portion of TM 5-3805-254-14&P1 dated August 1980 and TM 5-3805-254-14&P2 dated June 1980 including all changes.

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## HOW TO USE THIS MANUAL

This manual is designed to help you maintain the IHC Model F-5070 (CCE) dump truck. The front cover table of contents is provided for quick reference to important information. There is also an index, located in the back of this manual, for use in locating specific items of information.

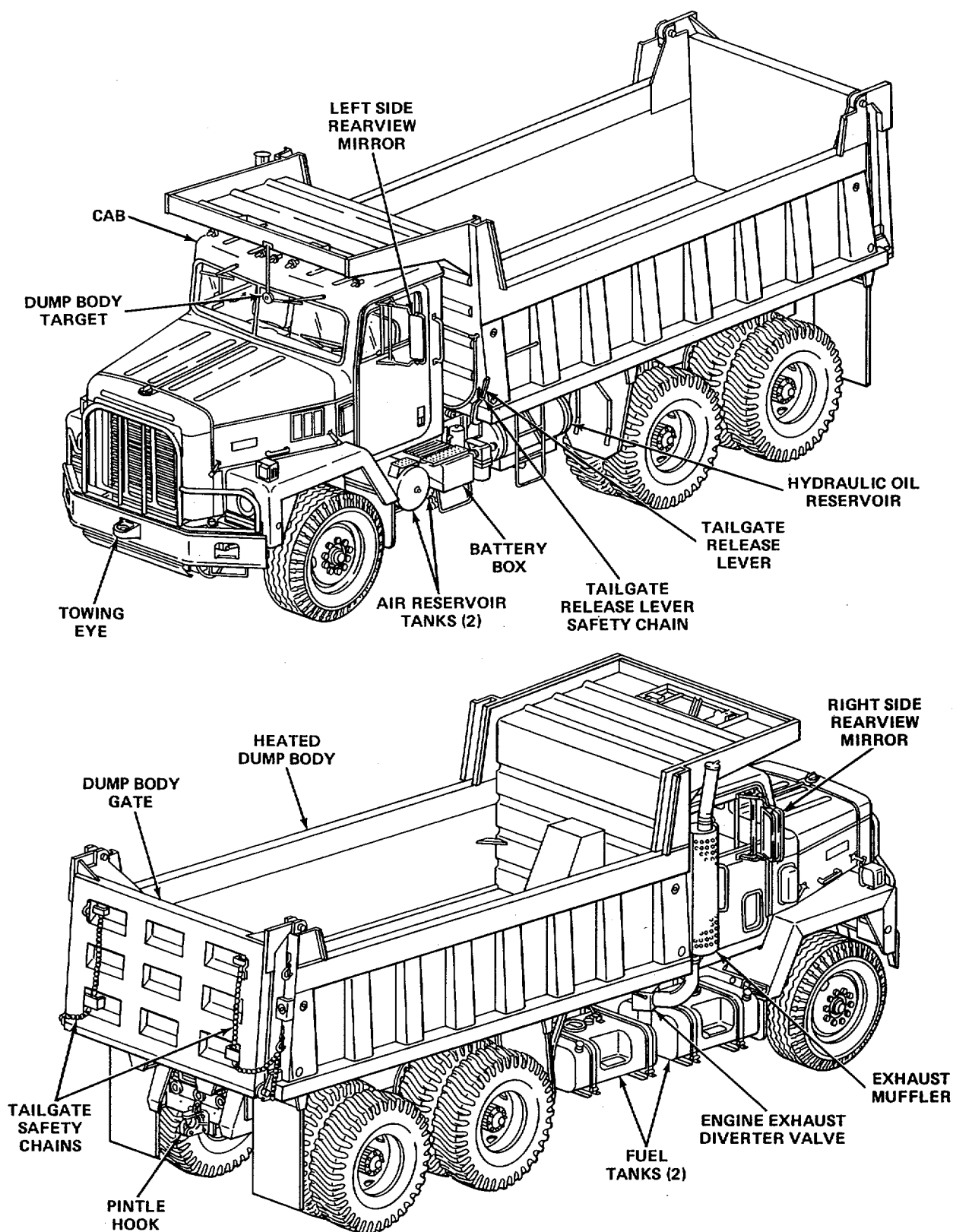
Measurements in this manual are given in both US standard and metric units. A metric to US standard conversion chart can be found on the inside back cover.

Read all preliminary information found at the beginning of each task. It has important information and safety instructions you must follow before beginning the task.

Equipment locator illustrations are also provided throughout the maintenance procedures. These illustrations are for use in locating components and assemblies of the overall equipment. It should be noted that the locator illustrations do not always reflect the equipment condition listed in the initial setup at the beginning of each task.

Warning pages are located in the front of this manual. You should read the warnings before operating or doing maintenance on the equipment.

A subject index appears at the beginning of each chapter listing sections that are included in that chapter. A more specific subject index is located at the beginning of each section to help you find the exact paragraph you're looking for.



Truck, Dump: 20-Ton, 6 x 4, On-Off Highway, 71,000 GVW,  
IHC Model F-5070 (CCE)

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## CHAPTER 1

### INTRODUCTION

#### OVERVIEW

This chapter provides general information, equipment specifications, and principles of operation that are needed for reference while performing organizational maintenance on the dump truck.

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#### Section I. GENERAL INFORMATION

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#### SCOPE

Type of Manual: Organizational Maintenance

Model Number and Equipment Name: IHC Model F-5070 (CCE), Truck, Dump, 20-Ton, 6 x 4, 71,000 GVW, On-Off Highway.

Purpose of Equipment: On-off highway vehicle used for transporting materials for construction/rehabilitation of roads, airfields, ports, and beach and marine facilities, worldwide.

#### MAINTENANCE FORMS, RECORDS, AND REPORTS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738750, The Army Maintenance Management System (TAMMS).

#### DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Refer to TM 750-244-6 for instructions on the destruction of Army materiel to prevent enemy use.

## ■ EQUIPMENT IMPROVEMENT REPORT AND MAINTENANCE DIGEST

The quarterly Equipment Improvement Report and Maintenance Digest, TB 43-0001-39 series, contains valuable field information on the equipment covered in this manual. The information in the TB 43-0001-39 series is compiled from some of the Equipment Improvement Reports that you prepared on the vehicles covered in this manual. Many of these articles result from comments, suggestions, and improvement recommendations that you submitted to the EIR program. The TB 430001-39 series contains information on equipment improvements, minor alterations, proposed Modification Work Orders (MWOs), warranties (if applicable), actions taken on some of your DA Form 2028's (Recommended Changes to Publications), and advance information on proposed changes that may affect this manual. The information will help you in doing your job better and will help in keeping you advised of the latest changes to this manual. Also refer to DA PAM 310-1, Consolidated Index of Army Publications and Blank Forms, and appendix A, References, of this manual.

## PREPARATION FOR STORAGE OR SHIPMENT

Refer to TM 740-90-1 for instructions on the administrative storage of Army materiel.

## QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Make sure that you do all your work with quality of workmanship in mind. Use the following checklist as a guide.

Always use the right tool for the job.

Make sure that calibration stickers on test equipment are current, not out of date.

Fill out all required forms and make sure all in-time inspections are properly stamped.

If you have any doubts about performing a maintenance task, notify your supervisor.

## REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your dump 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 or performance. Put it on an SF 368 (Product Quality Deficiency Report). Mail it to us at: Commander, US Army Tank-Automotive Command, Attn: AMSTA-QRT, Warren, MI, 48397-5000. We'll send you a reply.

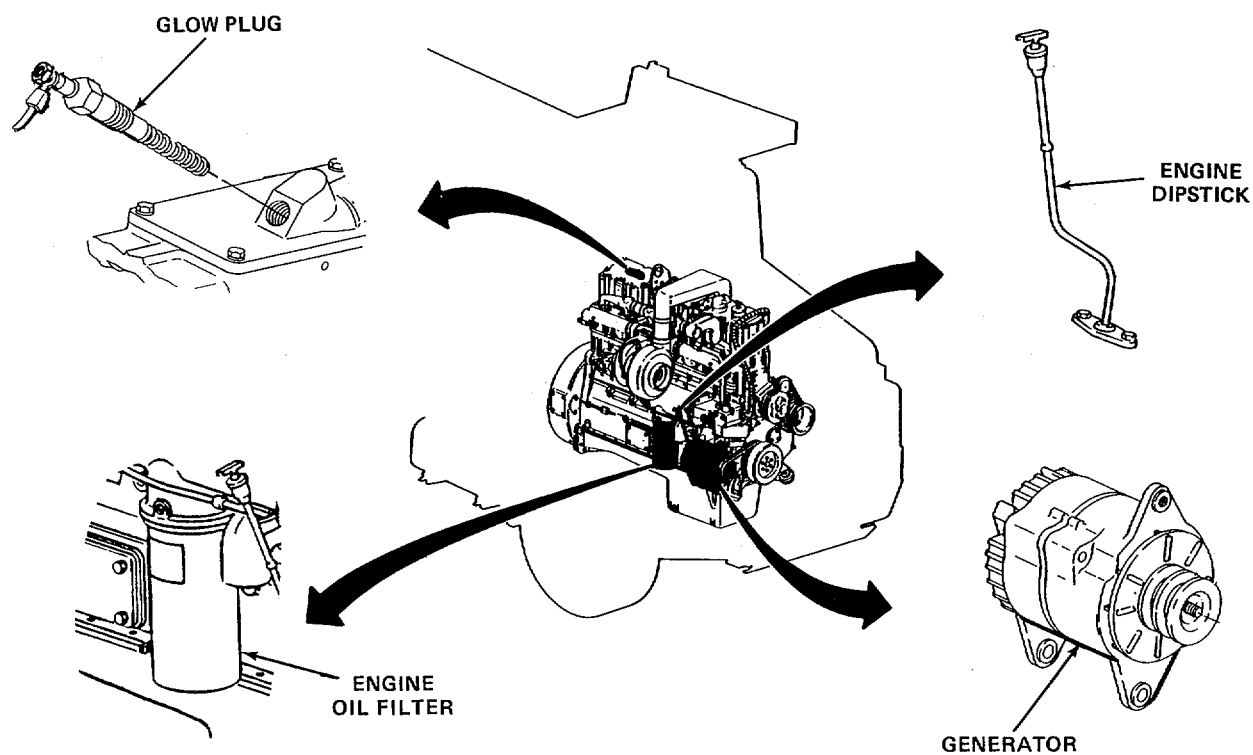
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**EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES**

Refer to TM 5-3805-254-10 for dump truck characteristics, capabilities, and features.

**LOCATION AND DESCRIPTION OF MAJOR COMPONENTS****ENGINE COMPARTMENT****Glow Plug**

Used as a cold weather starting aid.

**Engine Dipstick**

Provides easy access for checking level of lubricating oil in lubrication system.

**Generator**

Provides power for electrical system components and recharging batteries.

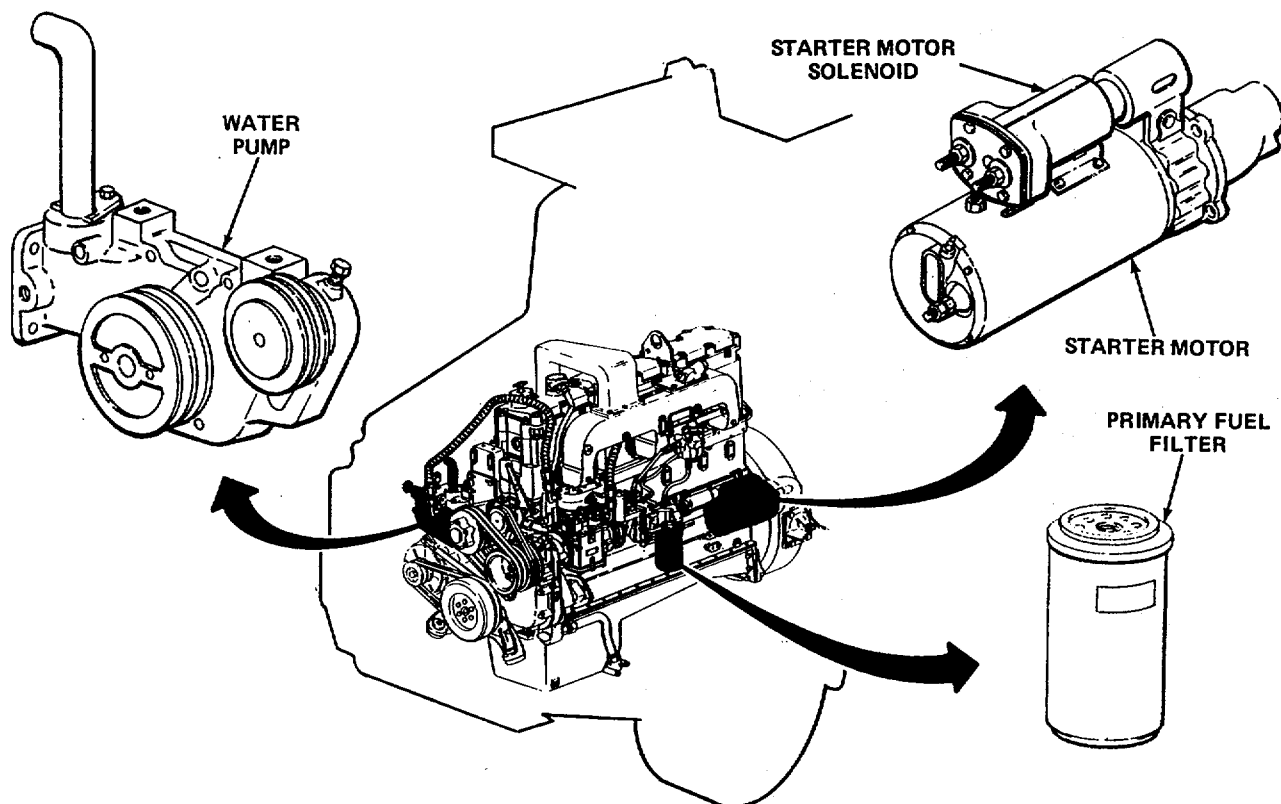
**Engine Oil Filter**

Removes contaminants and impurities from engine lubricating oil.

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## LOCATION AND DESCRIPTION OF MAJOR COMPONENTS - CONTINUED

## ENGINE COMPARTMENT - CONTINUED

**Starter Motor Solenoid**

When energized, causes starter motor spur gear to engage with flywheel, cranking the engine.

**Starter Motor**

Cranks engine when circuit is completed to starter motor solenoid.

**Primary Fuel Filter**

Removes contaminants and impurities from diesel fuel entering fuel injection pump.

**Water Pump**

Circulates engine coolant throughout engine cooling system.

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