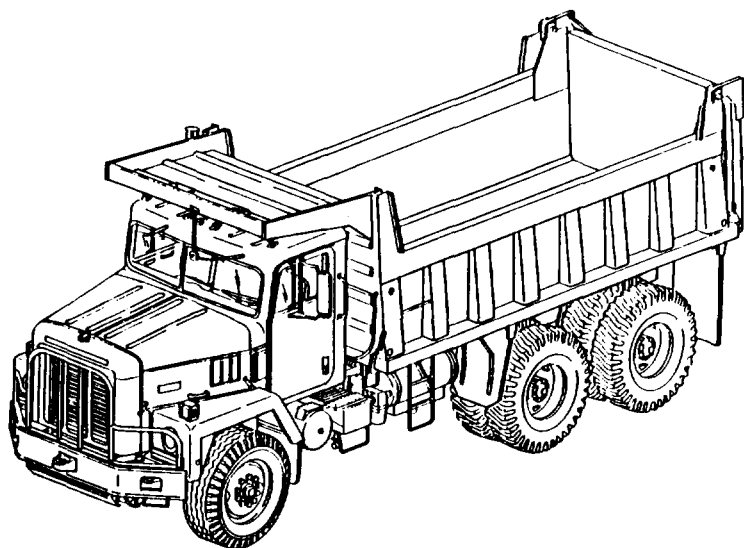


TECHNICAL MANUAL
ORGANIZATIONAL MAINTENANCE MANUAL
VOLUME 2 OF 2



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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)**

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JANUARY 1988

HEADQUARTERS, DEPARTMENT OF THE ARMY

TECHNICAL MANUAL

NO. 5-3805-254-20-2

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., 20 January 1988**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.

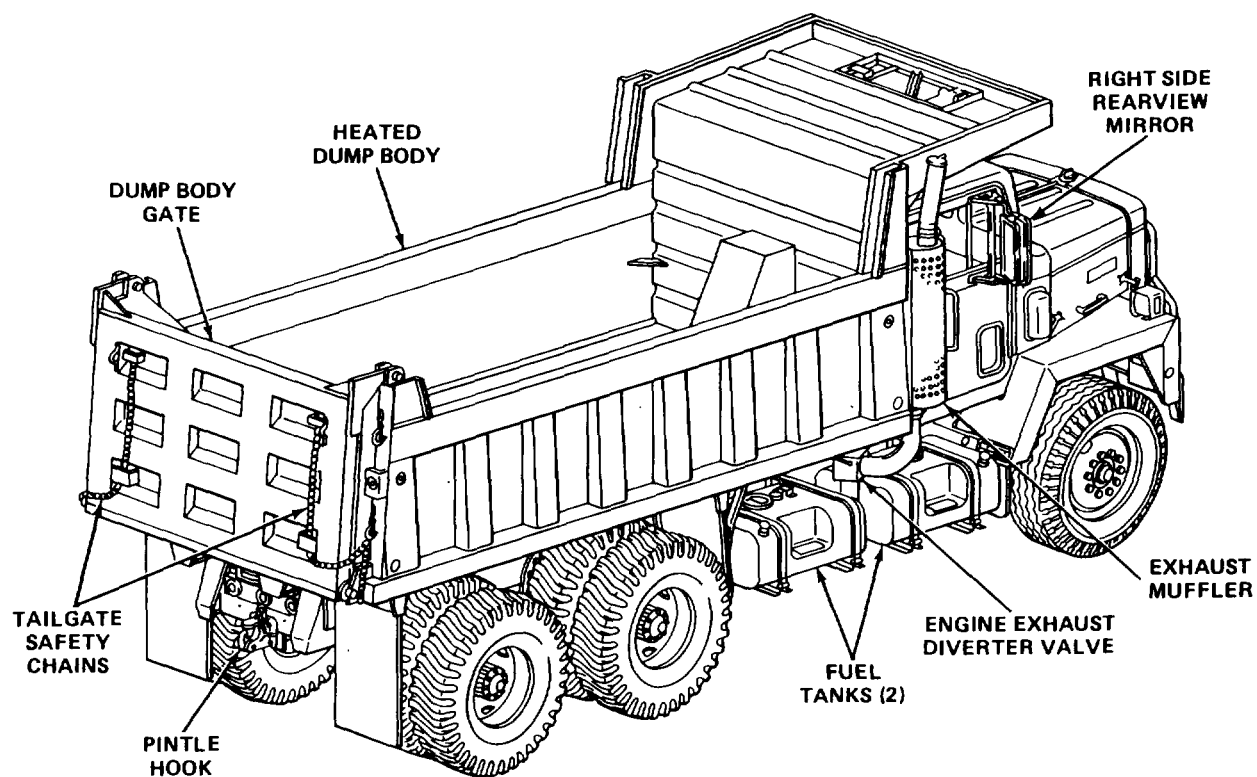
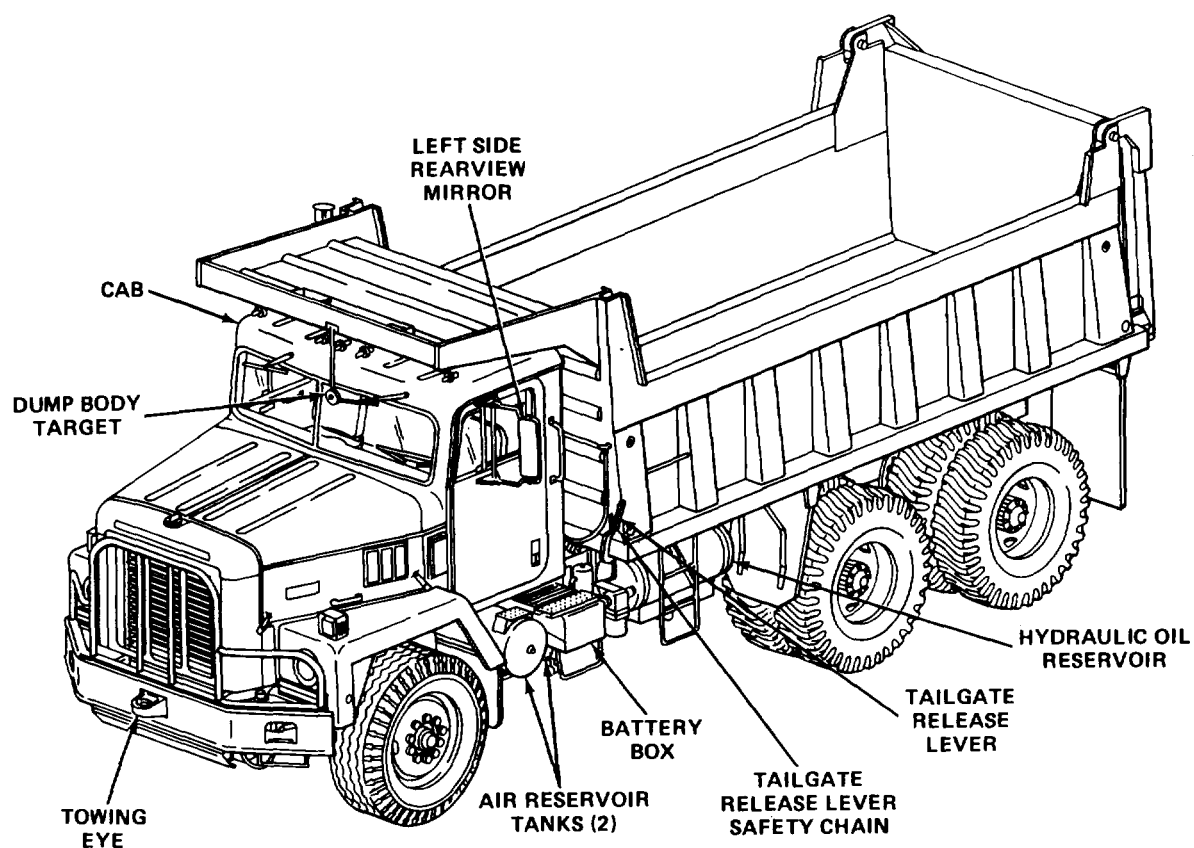
Measurements in this manual are given in both US standard and metric units. A metric to US standard conversion chart can be found on the inside back cover.

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, 6x4, On-Off Highway, 71,000 GVW,
IHC Model F-5070 (CCE)

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GENERATOR DRIVEBELTS

This task covers:

- | | |
|------------------------------|----------------------------|
| a. Removal (page 2-665) | c. Adjustment (page 2-666) |
| b. Installation (page 2-666) | |

INITIAL SETUP

Tools

Bar, pry, 16-inch
Gage, belt-tension, 30 to 180 lb
(14 to 82 kg)
Wrench, box-end, 314-inch (two
required)

Materials/Parts

Drivebelt, V, matched set of two

Personnel Required

One

Equipment Condition

Right side hood panel opened (page 2-424).

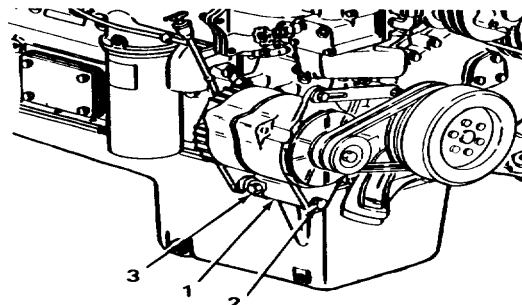
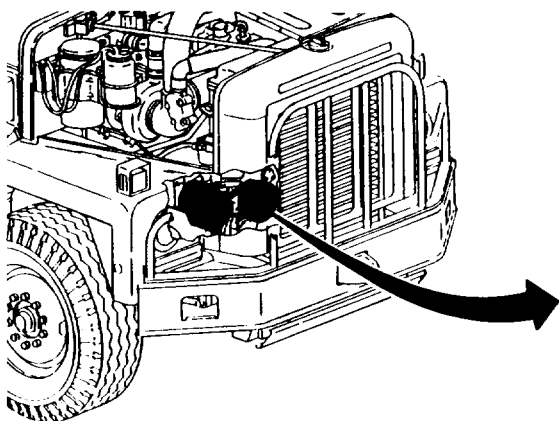
LOCATION	ITEM	ACTION REMARKS
----------	------	-------------------

REMOVAL

1. Mounting bracket (1)

Screw (2) and
nut (3)

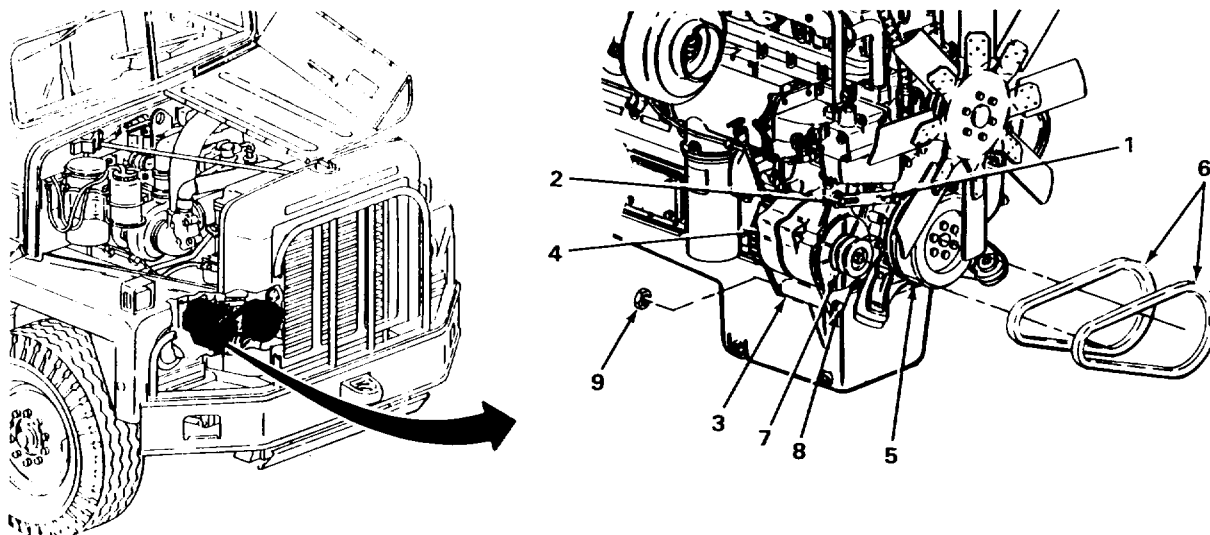
Using two 3/4-inch box-end wrenches,
loosen one turn.



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GENERATOR DRIVEBELTS - CONTINUED

LOCATION	ITEM	ACTION REMARKS
REMOVAL - CONTINUED		
2. Adjusting strap (1)	Screw (2)	Using 3/4-inch box-end wrench, loosen one turn.
3. Mounting bracket (3)	Generator (4)	Using 16-inch pry bar, push generator toward crankshaft pulley (5) to loosen drivebelts (6).
4. Crankshaft pulley (5) and generator pulley (7)	Two drivebelts (6)	Take off.
INSTALLATION		
5.	Two new drivebelts (6)	Put in place in pulley grooves.
<u>CAUTION</u>		
Do not overtighten drivebelts, damage to generator could occur.		
6. Mounting bracket (3)	Generator (4)	Pull generator away from crankshaft pulley (5), to seat drivebelts (6) in pulley grooves, and hold.
7. Adjusting strap (1)	Screw (2)	Screw in until snug, using 3/4-inch box-end wrench, to hold drivebelts (6) in pulley grooves.
ADJUSTMENT		
8. Generator (4) and adjusting strap (1)	Two new drivebelts (6) and screw (2)	a. Loosen screw. b. Pull generator away from crankshaft pulley (5) until 110 pounds (50 kg) of tension is measured using 30 to 180 lb (14 to 82 kg) belt-tension gage and 16-inch pry bar. c. Screw in and tighten screw using 3/4-inch box-end wrench.
9. Mounting bracket (3)	Screw (8) and nut (9)	Screw in and tighten using two 3/4-inch box-end wrenches.

GENERATOR DRIVEBELTS - CONTINUED**NOTE**

FOLLOW-ON MAINTENANCE: Close right side hood panel (page 2-424).

TASK ENDS HERE**GENERATOR AND REGULATOR**

This task covers:

- | | |
|------------------------------|----------------------------|
| a. Removal (page 2-668) | c. Adjustment (page 2-670) |
| b. Installation (page 2-668) | |

INITIAL SETUP**Tools**

Wrench, box-end, 3/4-inch (two required)
 Wrench, open-end, 7/16-inch
 Wrench, open-end, 1/2-inch

Materials/Parts

Lockwasher, clamp
 Lockwasher, generator harness
 Lockwashers, mounting screws (two required)

Personnel Required

One

Equipment Condition

Right side hood panel opened (page 2-424).
 Battery ground cable disconnected (page 2-424).

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GENERATOR AND REGULATOR - CONTINUED

LOCATION	ITEM	ACTION REMARKS
REMOVAL		
1. Generator pulley (1) and crankshaft pulley (2)	Two drivebelts (3)	Take off (page 2-665).
2. Generator (4)	Screw (5), lockwasher (6), and clamp (7)	a. Using 1/2-inch open-end wrench, unscrew and take out. b. Get rid of lockwasher.
3.	Rubber boot (12)	Slide back and take off.
4.	Nut (9), lockwasher (10), and wire connector (11)	a. Using 7/16-inch open-end wrench, unscrew and take off. b. Get rid of lockwasher.
5.	Push-on connector (8)	Pull off.
6. Adjusting strap (13)	Screw (14) and lockwasher (15)	a. Using 3/4-inch box-end wrench, unscrew and take out. b. Get rid of lockwasher.
7. Mounting bracket (16)	Screw (17), nut (18), and lockwasher (19)	a. Using two 3/4-inch box-end wrenches, unscrew and take out. b. Get rid of lockwasher.

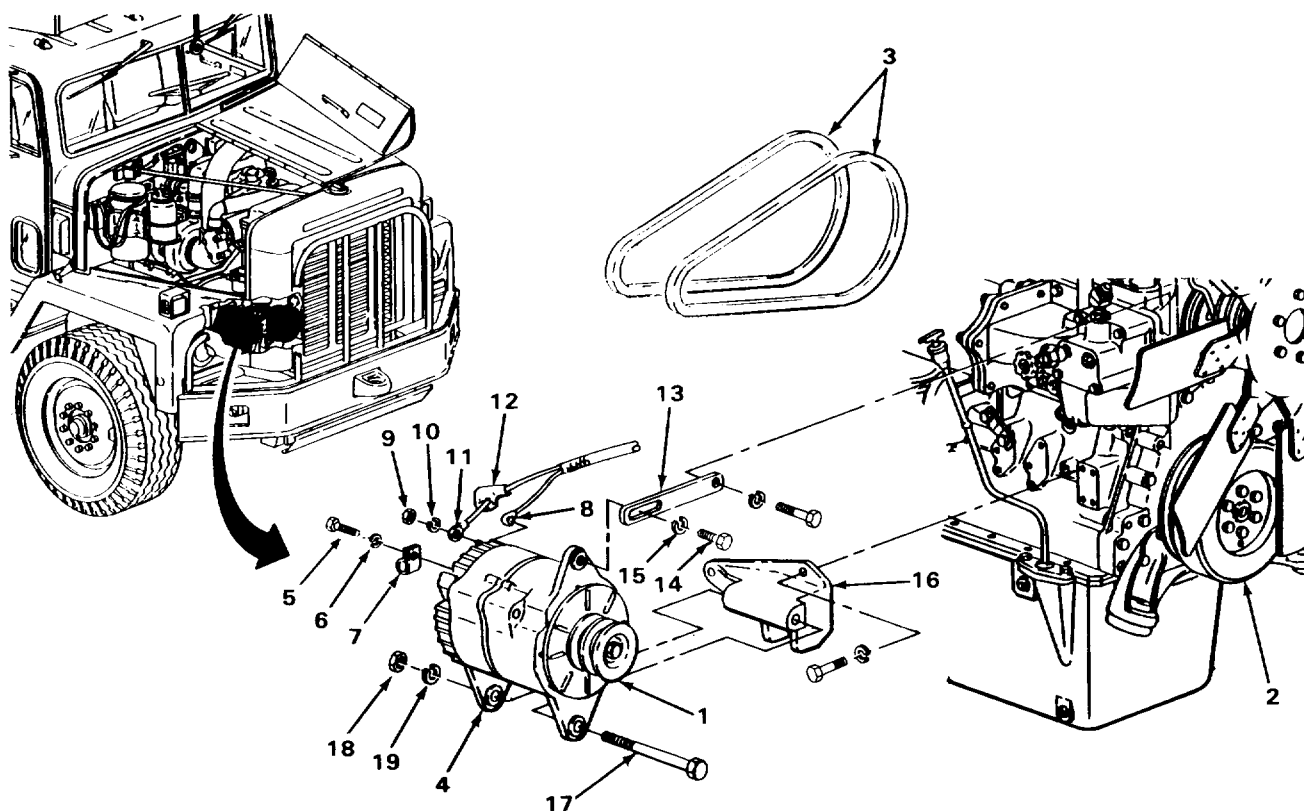
CAUTION

Use care when performing steps 8 and 9. Damage to generator could occur.

8.	Generator (4)	Carefully take out.
INSTALLATION		
9.	Generator (4)	Carefully put in.
10. Mounting bracket (16)	Screw (17), nut (18), and new lockwasher (19)	Screw in until snug using 3/4-inch box-end wrench.
11. Adjusting strap (13)	Screw (14) and new lockwasher (15)	Screw in until snug using 3/4-inch box-end wrench.

GENERATOR AND REGULATOR - CONTINUED

LOCATION	ITEM	ACTION REMARKS
12. Generator (4)	Push-on connector (8)	Push on.
13.	Wire connector (11), new lockwasher (10), and nut (9)	Screw on and tighten using 7/16-inch open-end wrench.
14.	Rubber boot (12)	Put on.
15.	Screw (5), new lockwasher (6), and clamp (7)	Screw in and tighten using 1/2-inch open-end wrench.
16. Generator pulley (1) and crankshaft pulley (2)	Two drivebelts (3)	a. Put on (page 2-665). b. Adjust (page 2-665).



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