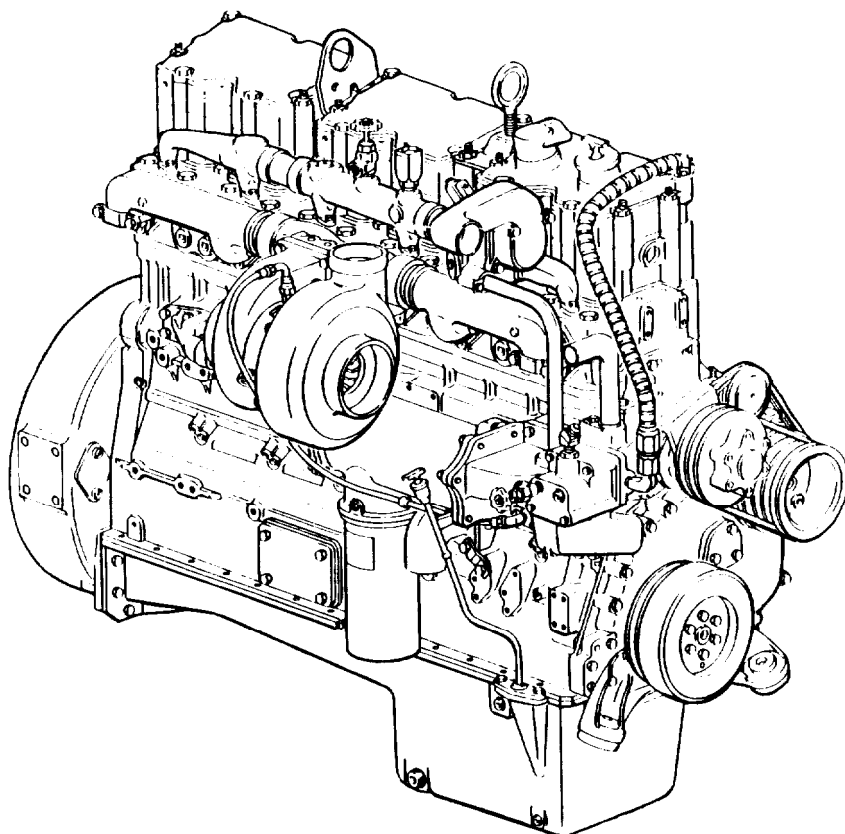


TECHNICAL MANUAL

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



**EQUIPMENT DESCRIPTION
AND DATA
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**MAINTENANCE
INSTRUCTIONS
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**REPAIR PARTS AND
SPECIAL TOOLS LIST
PAGE C-1**

**ENGINE, DIESEL NTC-290
PART NO. 515501C94
(NSN 2815-00-375-5958)**

Approved for Public Release; Distribution is unlimited.

**HEADQUARTERS, DEPARTMENT OF THE ARMY
MARCH 1987**

TECHNICAL MANUAL

NO. 5-2815-241-34&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC 30 March 1987

Direct Support and General Support Maintenance
(Including Repair Parts and Special Tools List)

ENGINE, DIESEL NTC-290
PART NO. 515501C94
(NSN 2815-00-375-5958)

Current as of 25 September 1991

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, US Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be sent to you.

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*This manual supersedes the engine information contained in TM-5-3805-254-14&P-1, 22 August 1980, and TM 5-3805-254-14&P-2, 12 June 1980, including all changes.

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Change 1

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HOW TO USE THIS MANUAL

This manual is designed to help you disassemble, repair, and assemble the diesel engine. The tabbed table of contents on the front cover is provided for quick reference to information frequently used. A complete table of contents is located at the first pages of this manual for help in finding specific chapters and sections. At the beginning of each chapter, a section index appears which lists sections included in that chapter. At the beginning of each section, a more specific subject index is located, to help you find the exact paragraph you're looking for. There is also an alphabetical index located in the back of the manual for use in locating specific information.

Warnings listed in the front of this manual should be read and understood before performing any tasks. These warnings advise you of threats to your personal safety, and the safety of others, which may occur if certain precautions are not taken.

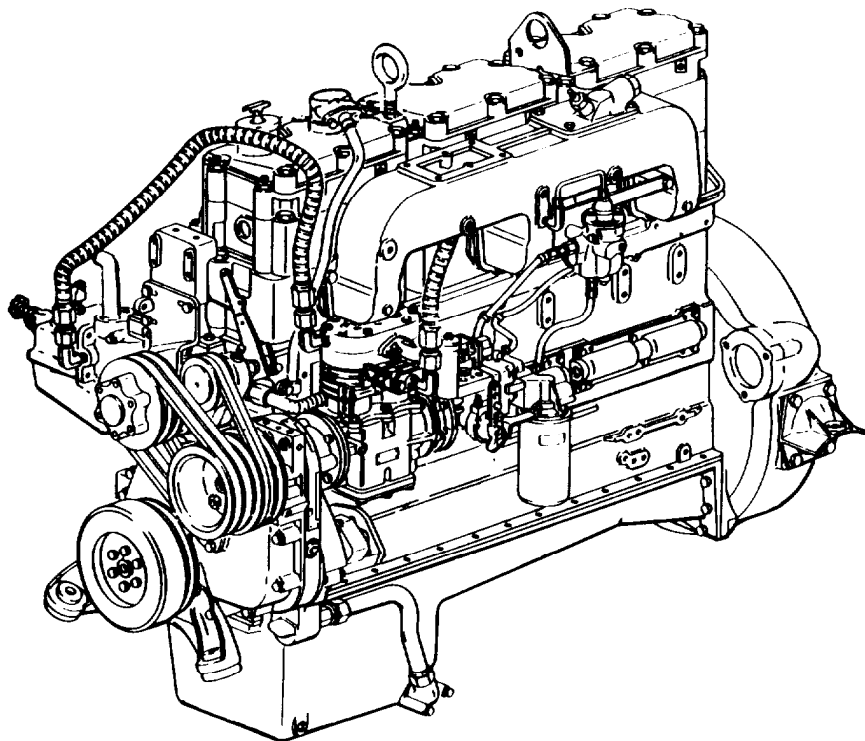
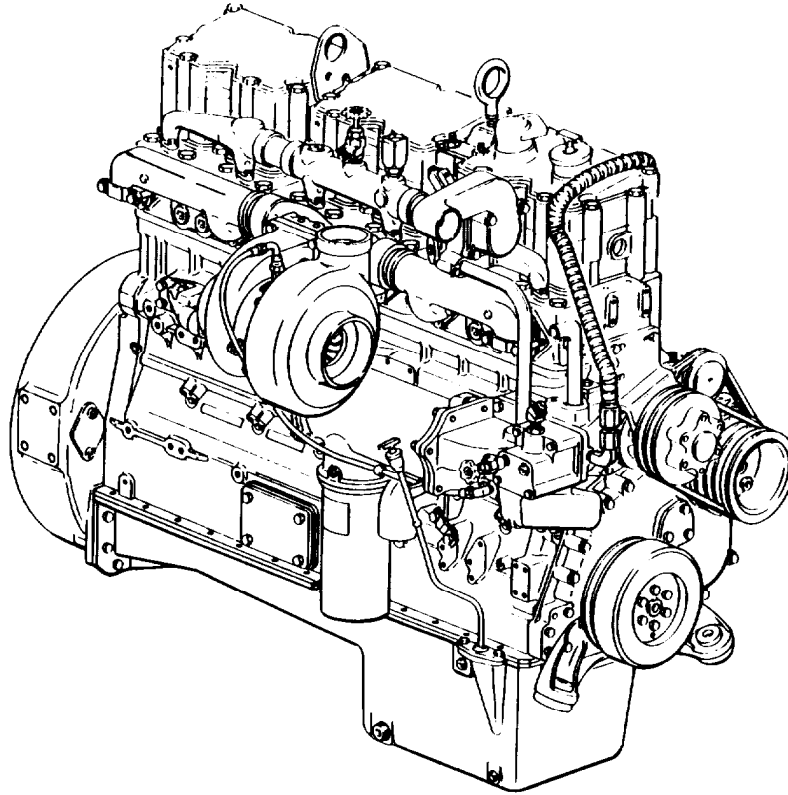
Cautions let you know when equipment will be damaged if certain procedures are not followed.

Notes are used to highlight important information which pertains to a specific procedure. They will also help you understand the text to which they apply, and make it easier for you to perform the task.

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.

Location and directional terms in this manual (ie, front, rear, top, bottom, right, and left) apply as if you were viewing the engine from the flywheel end. If direction of rotation is questionable, clockwise and counterclockwise will be shown as if you were facing them.

Art in this manual is used to illustrate the task you are performing, help identify parts, and explain the actual procedures involved in a task.



Engine, Diesel, NTC-290

CHAPTER 1
INTRODUCTION

OVERVIEW

This chapter contains information on various forms used to report discrepancies found or improvements needed. It also provides the user with general information relating to the location and description of major components and specific equipment data.

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Section I. GENERAL INFORMATION

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SCOPE

Type of Manual: Direct Support and General Support Maintenance Manual (Including Repair Parts and Special Tools List).

Equipment Name and Model Number: Engine, diesel, NTC-290.

Purpose of Equipment: To provide power to move vehicle and power accessories such as, PTO and air compressor.

MAINTENANCE FORMS AND RECORDS

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).

DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Refer to TM 750-244-6, Procedures for Destruction of Tank-Automotive Equipment to Prevent Enemy Use (US Army Tank-Automotive Command).

PREPARATION FOR STORAGE AND SHIPMENT

Preparation for storage and method of shipment will be at the discretion of the using facility.