TECHNICAL MANUAL

OPERATOR AND UNIT MAINTENANCE MANUAL

LOCOMOTIVE, DIESEL-ELECTRIC, 56-1/2-INCH GAGE, 80-TON, 670 HP, 0-4-4-0 WHEEL, MODEL B-B-160/160-4GE747-A1 NSN 2210-01-158-2980

HEADQUARTERS, DEPARTMENT OF THE ARMY
18 MAY 1987

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REPORTING OF 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, US Army Troop Support Command, ATTN: AMSTR-MMTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE

MODEL NUMBER AND NAME: B-B-160/160-4GE747-A1, 80-ton diesel-electric locomotive.

PURPOSE OF EQUIPMENT: Used for yard switching or short line railway service. Can be used as a single unit or connected in multiple unit operation under one operator.

TYPE OF MANUAL: Operator and Unit Maintenance.

a. This manual is published for the use of personnel engaged in the operation, inspection, and maintenance of the 80-ton diesel-electric locomotive. It shall be used as a guide for regulations, standards, and procedures governing such work assignments.

b. Operation covers normal locomotive movement in usual and unusual conditions, inspections and precautions to be observed before, during, and after operations in order to avoid damage to the equipment or injury to personnel, and maintenance as it pertains to the locomotive operator's/ crew's responsibilities.

c. Maintenance portion of this manual provides guidance to unit level maintenance personnel. The purpose of each assembly, subassembly, and general overall locomotive maintenance procedure is given. Also included is a general troubleshooting guide to aid in inspection, removal, disassembly, cleaning, inspection, repair, assembly, and installation of components. General functions of the main features are given as an aid to provide a concise understanding of major and minor components.

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

Refer to TM 750-244-3, Procedures for Destruction of Equipment to Prevent Enemy Use, for information and instructions covering destruction of Army materiel.

1-4. PREPARATION FOR STORAGE OR SHIPMENT

Refer to chapter 4, section VI, for information pertaining to preparation for storage or shipment.