

TECHNICAL MANUAL

INTERMEDIATE DIRECT SUPPORT AND

INTERMEDIATE GENERAL SUPPORT

MAINTENANCE MANUAL

LOCOMOTIVE, DIESEL-ELECTRIC,
56-1/2-INCH GAGE, 60 TON, 500 HP,
0-4-4-0 WHEEL, MODEL RS-4-TC-1A
NSN 2210-01-158-2978

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HEADQUARTERS, DEPARTMENTS OF THE ARMY AND THE AIR FORCE

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**LOCOMOTIVE, DIESEL-ELECTRIC
56-1/2-INCH GAGE, 60-TON, 500 HP,
0-4-4-0 WHEEL, MODEL RS74-TC-1A
NSN 2210-01-158-2978**

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-MCTS, 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: RS-4-TC-1A, 60-ton diesel-electric locomotive.

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

TYPE OF MANUAL: Intermediate Direct Support and Intermediate General Support Maintenance.

- a. This manual is published for the use of personnel engaged in the operation, inspection, and maintenance of the 60-ton diesel-electric locomotive. It shall be used as a guide for regulations, standards, and procedures governing such work assignments.
- b. Maintenance portion of this manual provides guidance to intermediate direct support and intermediate general support 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 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. PREPARATION FOR STORAGE OR SHIPMENT

Refer to TM 55-2210-223-12, Operator and Unit Maintenance Manual for Locomotive, for information pertaining to the preparation for storage or shipment.

1-4. QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

- a. Refer to Federal Railroad Administration (FRA) Form 6180-49A to document 92-day Locomotive Inspection and Repair Record in accordance with Locomotive Inspection Act, 36 State, 913. The form must be completed and signed by the personnel conducting the inspection. The completed form shall be placed in the card holder in the locomotive cab. A copy shall be retained for a period of 2 years. Refer to TB 55-2200-207-15/1, Inspection and Maintenance Checklist for Diesel-Electric Locomotive, for unit maintenance's 92-day inspection of the locomotive. The checklist and DA Form 2407, Maintenance Request, will be used as prescribed in DA PAM 738-750.