

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL

CRANE, CRAWLER

MOUNTED

60 TON, DIESEL DRIVEN

(HARNISCHFEGER MODEL 1125)

FSN 3810-728-9945

(WINTERIZED)

FSN 3810-701-7324 (NON-WINTERIZED)

HEADQUARTERS, DEPARTMENT OF THE ARMY

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1. Scope

a. These instructions are published for use of the personnel to whom the Harnischfeger Model 1125 Crane is issued. They provide information on the operation and organizational maintenance of the equipment. Also included are descriptions of main units and their functions in relationship to other components.

b. Appendix I contains a list of publications applicable to this manual. Appendix II contains the list of Basic Issue Items authorized the operator of this equipment. Appendix III contains the maintenance allocation chart.

c. Numbers in parentheses on illustrations indicate quantity. Numbers preceding nomenclature callouts on illustrations indicate the preferred maintenance sequence.

d. DA Form 2028 (Recommended Changes to DA Publications) will be used for reporting discrepancies and recommendations for improving this publication. This form will be completed by the individual using the manual and forwarded direct to Commanding General, U.S. Army Mobility Equipment Center, ATTN: SMOME-

MPD, 4300 Goodfellow Boulevard, St. Louis, Mo. 63120.

e. Report all equipment improvement recommendations as prescribed in TM 38-750.

2. Record and Report Forms

a. DA Form 2258 (Depreservation Guide of Engineer Equipment).

b. For record and report forms applicable to the operator, crew, and organizational maintenance, refer to TM 38-750.

Note
Applicable forms, excluding Standard Form 46 which is carried by the operator, shall be kept in a canvas bag mounted on the equipment.

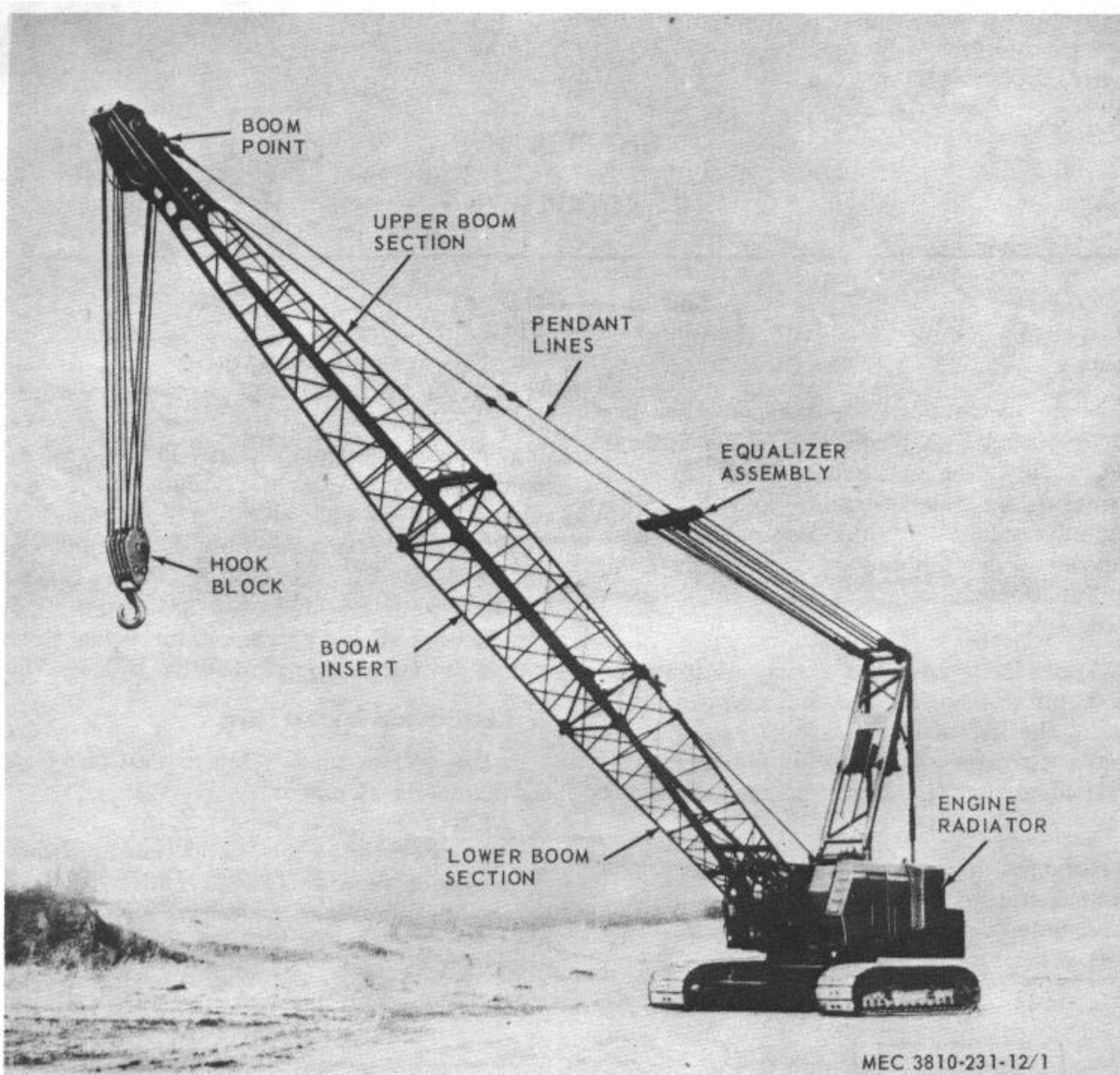


Figure 1. Crane, left front, three quarter view.

Section II. DESCRIPTION AND DATA

3. Descriptions

The Harnischfeger Model 1125 Crane is a 60 ton, diesel engine driven, crawler mounted, and is designed for use with a 60 foot boom with a 20 foot boom extension and boom jib.

The revolving frame (figs. 1 and 2), upon which are mounted the engine, upper section machinery,

gantry and boom assembly, revolves around the center gudgeon on rollers. Hook rollers on the front and rear are to prevent tipping of the crane.

The lower (crawler) section is the foundation of the machine and is made up basically of the turret and axle assembly, ring gear, center gudgeon, crawler assemblies, and propelling mechanism.