

CHAPTER 1 INTRODUCTION

1-1. Scope

This manual tells and shows how to rig the M-R-S 100MC tractor for a low-velocity airdrop from a C-130 or C-141 aircraft. In addition, this manual tells and shows how to rig the tractor for a low-altitude parachute-extraction (LAPE) airdrop from the C-130 aircraft.

1-2. Special Considerations

a. When these loads are airdropped from a C-141 aircraft, they must be loaded into the aircraft in compartments G through K according to TO 1C-141A-9.

b. A continuous 120-foot (3-loop) type XXVI nylon webbing extraction line must be used when these loads are airdropped from a C-141 aircraft.

c. These loads include hazardous material as defined in AFR 71-4/TM 38-250. They must be packaged, marked, and labeled according to AFR 71-4/TM 38-250.

d. A copy of this manual must be made available to the joint airdrop inspectors during the before- and after-loading inspections.

1-3. Recommended Changes

You are encouraged to report any errors or omissions and suggest ways for making this a better manual. Army personnel, send your comments on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to:

Commandant
US Army Quartermaster School
ATTN: ATSM-TDT
Fort Lee, VA 23801

Air Force personnel, send your reports on AFTO Form 22 (Technical Order Publication Improvement Report) through:

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Military Airlift Command (MAC/DOXT)
Scott AFB, IL 62225

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US Army Quartermaster School
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Fort Lee, VA 23801

Also, send an information copy of AFTO Form 22 to:

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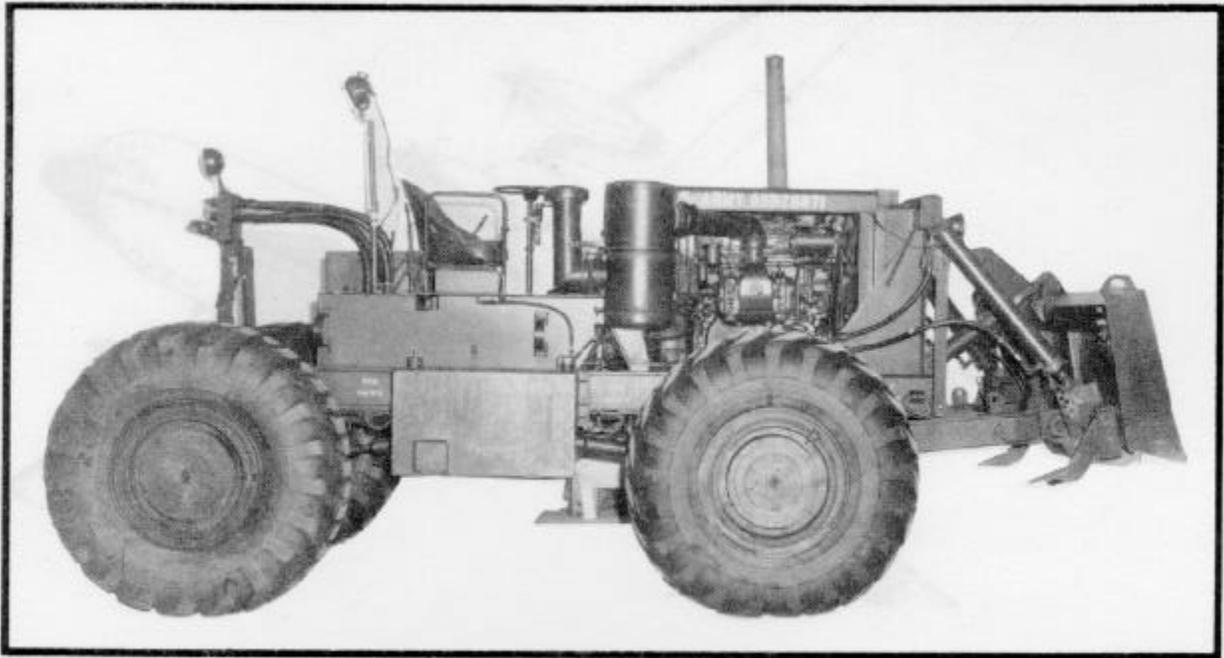


Figure 1-1. M-R-S 100MC industrial wheeled tractor.

CHAPTER 1
INTRODUCTION

1-1. Introduction
This manual is intended to provide the operator with the necessary information to operate the M-R-S 100MC industrial wheeled tractor. It covers the basic operation, maintenance, and safety procedures for this machine. The operator should read this manual carefully before operating the tractor. The manual is divided into several chapters, each covering a different aspect of the tractor's operation. Chapter 1, Introduction, provides an overview of the tractor and its components. Chapter 2, Operation, describes the basic operating procedures. Chapter 3, Maintenance, provides information on the routine maintenance tasks that must be performed. Chapter 4, Safety, discusses the safety hazards associated with operating the tractor and the measures that should be taken to avoid them. Chapter 5, Troubleshooting, provides information on the common problems that may occur and the steps that should be taken to solve them. Chapter 6, Appendix, provides additional information on the tractor's components and accessories. The operator should read this manual carefully and follow the instructions provided. The operator should also consult the maintenance manual for the tractor for more detailed information on maintenance and repair procedures.

Special Considerations
When these tools are introduced into a structure, they must be loaded into the lift components through the opening. A maximum 100-lb (45-kg) type XYV1 suspension line must be used when a lift is introduced from a C-411 entry. These tools provide hazardous material as per the M-R-S 100MC. They must be kept stored and labeled according to the M-R-S 100MC. A copy of this manual must be made available to the operator and the operator must read this manual before operating the tractor.