

MF500 SERIES TRACTOR WORKSHOP SERVICE MANUAL

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INTRODUCTION

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INTRODUCTION

The purpose of this manual is to assist dealers and distributors in the efficient repair and maintenance of Massey-Ferguson farm machinery. Carrying out the procedures as detailed, together with the use of special tools where appropriate, will enable the operations to be completed within the time stated in the repair time schedule.

NOTE—To assist with locating information, each division of the manual is preceded by a contents page listing the operation in numerical order.

Each instruction within an operation has a sequence number, and to complete the operation in the minimum time it is essential that these instructions are performed in numerical sequence commencing at 1 unless otherwise stated. When applicable, these sequence numbers identify the components in the appropriate illustration. Where performance of an operation requires the use of a special tool, the tool number is quoted under the operation heading and is repeated in, or following, the instruction involving its use.

INDEXING

For convenience the manual is divided into parts and sections, each page bearing a part and section number.

Example:—7A—15
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This simplifies cross referencing and enables the subject to be found easily.

SPECIAL TOOLS

Where the use of a special tool is specified in an

operation the tool number will be shown under the operation heading and also following the instruction requiring its use.

The use of the special tools mentioned in the text contributes to a safe, efficient and profitable repair. Some operations are impracticable without their use, for example the assembly of the differential unit. Distributors are therefore urged to check their tools against the list provided. Where necessary, tools may be ordered from: V. L. Churchill & Co. Ltd., London Road, Daventry, England.

REPAIRS AND REPLACEMENTS

When service parts are required it is essential that only genuine Massey-Ferguson replacements are used.

Attention is particularly drawn to the following points concerning repairs and the fitting of replacement parts and accessories.

Safety features embodied in the tractor may be impaired if other than genuine parts are fitted.

In certain territories, legislation prohibits the fitting of parts not to the tractor manufacturers specification. Torque wrench setting figures given in the Workshop Manual must be strictly adhered to. Locking devices where specified must be fitted. If the efficiency of a locking device is impaired during removal it must be renewed.

The tractor warranty may be invalidated by the fitting of other than genuine Massey-Ferguson parts. All Massey-Ferguson replacements have the full backing of the manufacturers warranty. Massey-Ferguson Distributors and Dealers are obliged to supply only genuine service parts.

INTRODUCTION

REPAIR TIME SCHEDULE

The operations listed in the Repair Time Schedule refer to those described in this manual. The time set against each operation in the schedule is established by performing the actual operations on standard machines using special tools where applicable. The Repair Time Schedule for use with this manual is issued as a separate publication.

NOTE—Repair Time Schedules are issued to Massey-Ferguson Distributors and Dealers only and are not for general publication.

AMENDMENTS

Under normal conditions revised pages are issued carrying the same number as the existing pages requiring amendment. The new pages are inserted in place of the existing ones. The old pages should then be discarded.

In some cases additional pages or completely new sections may be issued. These pages are to be inserted immediately following the page carrying the next lowest page number, or section number as appropriate.

Where new pages are required to be positioned between existing pages, the new page numbers will contain a suffix letter—

Example:—New page number 7A—16a.

This page is inserted after existing page number 7A—16 and before page number 7A—17. Correspondingly a further new page numbered 7A—16b would be positioned after 7A—16a but before 7A—17. To assist in identifying amendments on revised pages, two asterisks (**) will be inserted at the beginning and at the end of the amended paragraph, section, instruction or illustration.

To ensure that a record of amendments to this manual is readily available, the list of amendments will be re-issued with each set of revised pages, quoting the amendment number, date of issue, appropriate instructions and revised page numbers.

NOTE—Service Bulletins and Amendment Sheets are issued to the Massey-Ferguson Distributors and Dealers only and are not for general publication.

Amendment No.	Date	Page Issued

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