

Information and Instructions

This individual shop manual is one unit of a series on wheel type tractors. Contained in it are the necessary specifications and the brief but terse procedural data needed by a mechanic when repairing a tractor on which he has had no previous actual experience.

The material is arranged in a systematic order beginning with an index which is followed immediately by a Table of Condensed Service Specifications. These specifications include dimensions, fits, clearances and timing instructions. Next in order of arrangement is the procedures paragraphs.

In the procedures paragraphs, the order of presentation starts with the front axle system and steering and proceeding toward the rear axle. The last paragraphs are devoted to the power take-off and power lift systems. Interpersed where needed are additional tabular specifications pertaining to wear limits, torquing, etc.

HOW TO USE THE INDEX

Suppose you want to know the procedure for R&R (remove and reinstall) of the engine camshaft. Your first step is to look in the index under the main heading of ENGINE until you find the entry "Camshaft." Now read to the right where under the column covering the tractor you are repairing, you will find a number which indicates the beginning paragraph pertaining to the camshaft. To locate this wanted paragraph in the manual, turn the pages until the running index appearing on the top outside corner of each page contains the number you are seeking. In this paragraph you will find the information concerning the removal of the camshaft.

SHOP MANUAL

MASSEY-FERGUSON

MODELS

MF135 - MF150 - MF165

**Tractor serial number stamped on instrument panel name plate.
Engine serial number stamped on side of engine.**

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CONDENSED SERVICE DATA

	MF135	MF135 Deluxe - MF150			MF165		
	Special	Diesel	Non-Diesel	Non-Diesel	Diesel	Non-Diesel	Non-Diesel
GENERAL							
Engine Make	Cont'l	Perkins	Cont'l	Perkins	Perkins	Cont'l	Perkins
Engine Model	Z-134	AD3.152	Z-145	AG3.152	AD4.203	G-176	AG4.212
Number of Cylinders	4	3	4	3	4	4	4
Bore—Inches	3.312	3.6	3.375	3.6	3.6	3.58	3.875
Stroke—Inches	3.875	5.0	4.062	5.0	5.0	4.38	4.5
Displacement—Cu. In.	134	152	145	152	203.5	176	212.3
Compression Ratio	6.6:1	17.4:1	7.1:1	7.5:1	18.5:1	7.1:1	7.0:1
Main Bearings, No. of	3	4	3	4	5	3	5
Cylinder Sleeves	Wet	Dry	Wet	Dry	Dry	Wet	Dry
Forward Speeds	6	6*	6*	6*	6*	6*	6*
Reverse Speeds	2	2*	2*	2*	2*	2*	2*

* 12 forward, 4 reverse; if equipped with "Multipower" Transmission.