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MANUAL PREVIEW

Massey Harris
Massey Ferguson

Operator's Manual

MF1045

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MH-O-MF1045

TABLE OF CONTENTS

PAGE

SAFETY PRECAUTIONS 1

IMPORTANT DIESEL FUEL PRECAUTIONS 6

FUEL SPECIFICATIONS 7

TRACTOR IDENTIFICATION 9

INSTRUMENTS & CONTROLS 10

Instrument Panel 10

Operating Controls 12

OPERATION 16

Break-In Period 16

Starting 16

Gear Selection 19

Brake Usage 20

Stopping Tractor 20

Differential Lock Operation 20

Four-Wheel Drive Usage 21

Rear Power Take-Off (PTO) 21

Front PTO (Accessory) 22

Three-Point Hitch 23

Drawbar 25

LUBRICATION & PERIODIC MAINTENANCE 26

Specifications & Capacities 26

Periodic Maintenance Schedules 27

Extended Storage of Tractor 30

Access 31

Lubrication Details 31

Engine Air Cleaner 36

Cooling System 38

Fuel System 40

Electrical System 43

Clutch Free-Play Adjustment 46

PTO Clutch Adjustment 47

Brake Adjustment 47

Wheels & Tires 49

Muffler Position 52

STORAGE 53

ASSEMBLY & PRE-DELIVERY INSPECTION 54

Trouble-Shooting 55

ROPS Installation 56

SPECIFICATIONS 57

ACCESSORIES 59

PRE-DELIVERY INSPECTION CHECKLIST Back Cover

TRACTOR IDENTIFICATION

Each M-F Tractor is identified by means of a Tractor serial number. As a further identification, engine and transmission are provided with a serial number.

TO ENSURE PROMPT, EFFICIENT SERVICE WHEN ORDERING PARTS OR REQUESTING REPAIRS FROM AUTHORIZED M-F DEALER, RECORD THE SERIAL NUMBERS IN SPACES PROVIDED.

TRACTOR SERIAL NUMBER

FIG. 2: Serial number, 1, located on left side of Tractor below instrument panel and dash. Model, 2, and machine series numbers, 3, also indicated.



FIG. 2

ENGINE SERIAL NUMBER

FIG. 3: Engine serial number, 1, stamped in left side of engine block behind engine oil filter.

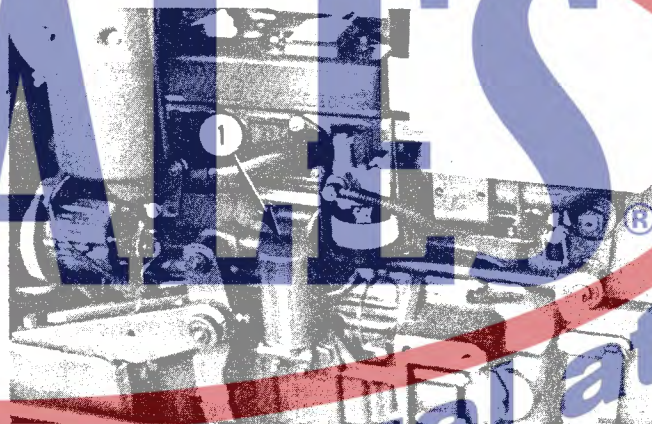


FIG. 3

CHASSIS SERIAL NUMBER

FIG. 4: Chassis serial number, 1, stamped in rear axle center housing.



FIG. 4

NOTE: Reference to left-hand and right-hand used throughout this manual refers to the position when seated in operator's seat, facing forward.

FOUR-WHEEL DRIVE USAGE

FIG. 25: 4-WD models incorporate a mechanically driven front axle. Engagement and disengagement of front drive axle is controlled by lever, 1, on left side of Tractor.

IMPORTANT: Prior to engaging or disengaging 4-WD control lever, clutch pedal must be depressed and all movement of Tractor be stopped.



FIG. 25

FIG. 26: When front drive axle is engaged, the ground speed of the front tires is slightly faster than the ground speed of the rear tires. This is done to assist in Tractor control and steering when 4-WD is selected.

For this reason, the front axle must be disengaged when Tractor is transported or operated on a hard, dry surface. Failure to do so will result in rapid wear of front drive tires and possible drive line damage.

IMPORTANT: ALWAYS DISENGAGE FRONT DRIVE AXLE WHEN OPERATING IN CONDITIONS WITH MINIMAL WHEEL SLIP-AGE.

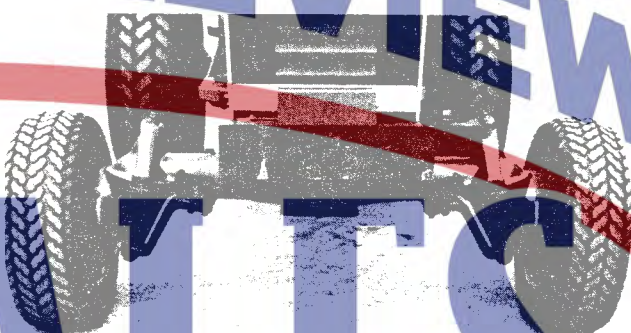


FIG. 26

REAR POWER TAKE-OFF (PTO)



CAUTION: Disengage rear PTO lever and shut off engine prior to connecting or disconnecting equipment to Tractor PTO shaft. Make certain drive shaft is securely locked in annular groove of Tractor PTO shaft before starting Tractor engine.

FIG. 27: A six-spline 1-3/8" (31 mm) PTO shaft, 1, is provided at rear of Tractor to provide power for mounted and other PTO driven equipment as required. Normal speed of shaft is 540 rpm at 2332 engine rpm. A protective cover is positioned over shaft splines when not in use.

Engagement and disengagement is controlled by dual clutch and PTO hand lever on right side of transmission housing.

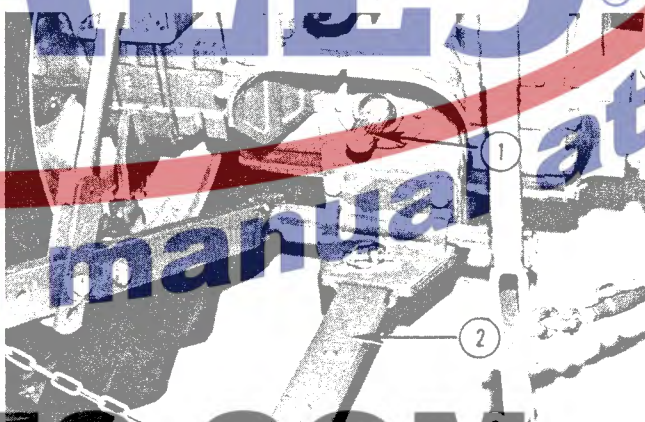


FIG. 27

IMPORTANT: When PTO is used with mounted equipment, it may be necessary to remove or alter position of drawbar, 2, at rear of Tractor. Some types of mounted equipment, when lowered, may allow PTO shaft to contact drawbar.

FIG. 28:



CAUTION: Make sure all PTO shields are installed on Tractor and equipment. Before cleaning or adjusting Tractor or PTO driven machine, SHUT OFF ENGINE AND DISENGAGE PTO.

When engaging or disengaging rear PTO, clutch pedal must be completely depressed. Engage clutch slowly with PTO powered equipment to prevent abrupt shock on Tractor and equipment drives.



FIG. 28

FRONT PTO (ACCESSORY)

FIG. 29: Front PTO kit can be installed on Tractor to provide a power source for snow blowers, etc. Front PTO consists of a clutch and drive shaft assembly connected to the engine crankshaft pulley and control switch located in the instrument panel. The front PTO is driven at engine speed and is engaged by use of an electromagnetic clutch. Front PTO can be engaged and disengaged without depressing clutch pedal.



FIG. 29

CAUTION: Switch PTO control switch to off and shut off engine before connecting or disconnecting drive belt to front PTO clutch pulley.

FIG. 30: Access to clutch pulley is gained by loosening wing nuts and removing pulley shield. Always reinstall shield to clutch prior to Tractor usage.

Reduce engine rpm before engaging front PTO clutch to reduce shock load on Tractor and implement drives.

CAUTION: Switch PTO control switch to off and shut off engine before cleaning or adjusting Tractor or front PTO driven equipment. Make sure all machine movement ceases prior to dismounting Tractor.



FIG. 30

ACCESS

FIG. 39: To gain access to engine, radiator and battery, depress hood release button, 1, and tilt hood forward. Hood will remain in the open position.

Close hood by pushing rear of hood downward until hood automatically latches.

NOTE: If difficulty is encountered in latching hood, check adjoining ledge on front edge of instrument panel shroud and also hood hinge area to be sure hood movement is not restricted by buildup of dirt or debris.

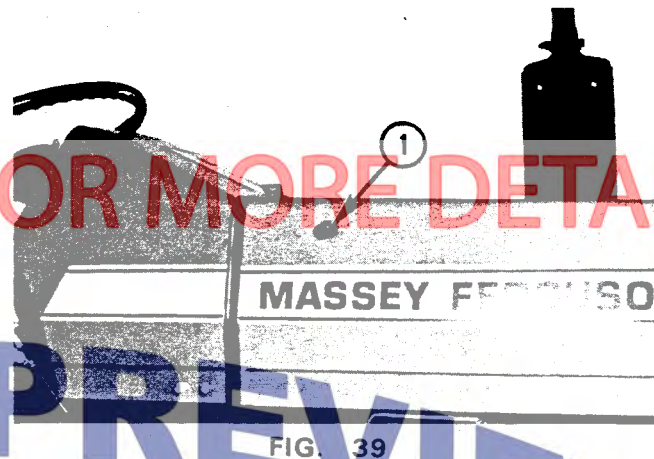
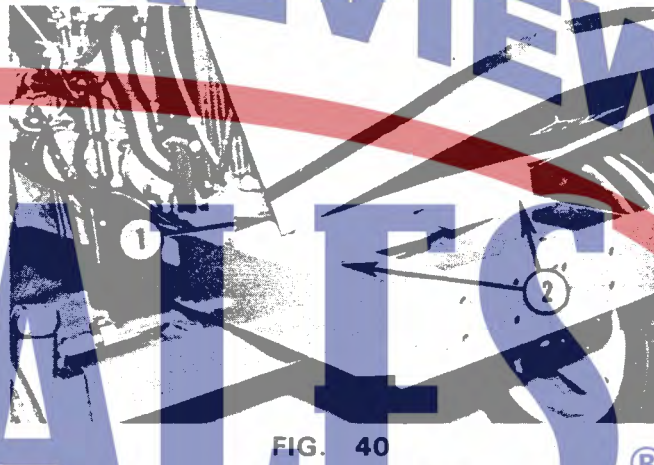


FIG. 40: When necessary, hood may be removed from Tractor. Raise hood and unplug wiring connector, 1, for head lights. While supporting hood in open position, remove nuts, 2, securing hood hinge to Tractor frame. Lift hood from Tractor.



LUBRICATION DETAILS

Grease Fittings

Lubrication of grease fittings is recommended every 20 hours of operation using M-1105 or similar multi-purpose No. 2, lithium base grease.

NOTE: When operating in muddy or extremely wet conditions, more frequent lubrication of fittings is recommended.

FIG. 41: Clutch pedal pivot, 1, and brake pedal pivots, 2, (three fittings total) located on pedal shaft assembly under transmission.

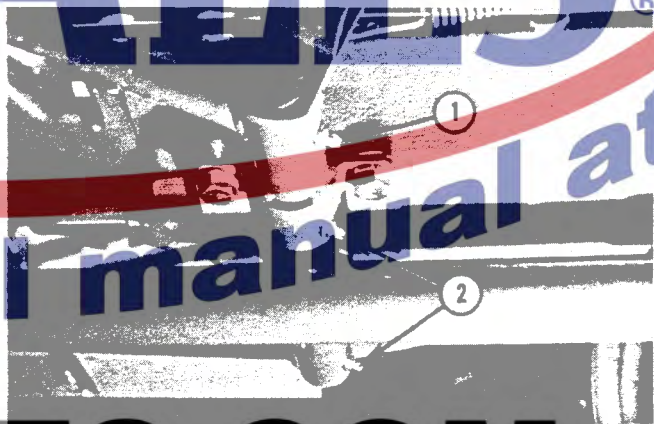


FIG. 42: Steering linkage fittings:

- One fitting at each end of tie rod, 1.
- One fitting at each end of lower drag link, 2.
- One fitting at each end of upper drag link, 3.
- One fitting at bell crank pivot, 4.

