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MANUAL PREVIEW

Massey Harris
Massey Ferguson
Operator's Manual

MF88

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Operator's Manual

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MH-O-MF88

Make: Massey-Ferguson	Model: 85	Years Made: 1959-1962
HP-PTO: 61.23	HP-Engine:	HP-Drawbar: 50.7
HP-Range: 61	Engine-Make: CONTINENTAL	Engine-Fuel: GAS
Engine-Cyl(s)-CID: 4/242	Transmission-STD: DUAL RANGE	Optional:
Fwd/Rev Standard: 8/	Fwd/Rev Optional:	Mfwd-Std/Opt:
Tires-Std Front: 7.50-16	Tires-Std Rear: 15-30	Wheelbase-Inch:
Pto Type: LIVE	Pto Speed:	CAT I-3pt Hitch: True
CAT II-3pt Hitch: False	CAT III-3pt Hitch: False	Hitch Lift:
Hydraulics-Type: OPEN	Hyd-Cap:	Hyd-Flow:
Hyd Std Outlets: 2	Cooling Capacity:	Fuel Tank Capacity:
Cab-Stdm A/C; Rops:	Weight: 5737	New Price: 4618

DASH PANEL		
<u>Year</u>		<u>Beginning Serial Number</u>
1959		800001
1960		804355
1961		807750
1962		808564

Paint Codes		
Location		MFG Color Name
BODY OF TRACTOR		MASSEY FERGUSON RED
ENGINE		FLINT GREY
TRIM		SILVER MIST

Make: Massey-Ferguson	Model: 88	Years Made: 1959-1962
HP-PTO: 63.31	HP-Engine:	HP-Drawbar: 53.2
HP-Range: 63	Engine-Make: CONTINENTAL	Engine-Fuel: GAS
Engine-Cyl(s)-CID: 4/276.5	Transmission-STD: DUAL RANGE	Optional: 8
Fwd/Rev Standard:	Fwd/Rev Optional:	Mfwd-Std/Opt:
Tires-Std Front: 7.50-18	Tires-Std Rear: 18.4-30	Wheelbase-Inch:
Pto Type: LIVE	Pto Speed:	CAT I-3pt Hitch: True
CAT II-3pt Hitch: False	CAT III-3pt Hitch: False	Hitch Lift:
Hydraulics-Type: OPEN	Hyd-Cap:	Hyd-Flow:
Hyd Std Outlets: 2	Cooling Capacity:	Fuel Tank Capacity:
Cab-Stdm A/C; Rops:	Weight: 7165	New Price: 4325

DASH PANEL		
<u>Year</u>		<u>Beginning Serial Number</u>
1959		800001
1960		881453
1961		882229
1962		808564

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MASSEY-FERGUSON

MF 88

WESTERN TRACTOR

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Massey-Ferguson Inc.
DETROIT, MICHIGAN

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Periodic Maintenance

Proper maintenance, including periodic inspection and regular lubrication with the correct lubricant, is essential to the long life and trouble-free operation of your new MF 88 Western Model Tractor. Form the habit of performing scheduled maintenance by using the accumulated hours recorded on the tractormeter. Always keep your tractor in "top-notch" condition by servicing it as recommended. Take any major repair items to your local Massey-Ferguson Dealer, he has the proper "know-how" and tools to render the type of service which will keep your tractor in the best possible condition. This section of your manual is devoted entirely to maintenance and should be referred to as a quick reference when periodic servicing is performed.

LUBRICATION

Care should be taken when handling all lubricating oils. Open containers collect dirt which may damage the lubricated parts. Always wipe off a grease fitting before lubrication to prevent the entrance of dirt.

The points listed below should be lubricated periodically. The number in the boxes beside each point indicate the hours of operation after which these points should be serviced. The parts and time intervals are marked in the illustrations for your convenience.

PRESSURE-TYPE GREASE FITTINGS

Note: Clean fittings, lubricate and remove excess grease.

Lubrication Point	No. of Fittings
Front Axle Spindles	1 each side
Front Axle Pivot Pins	2
Brake Pedal Assembly	1
Brake Assembly Cams	1 each side

CRANKCASE DIPSTICK

Check and maintain oil level at full mark.



Lubrication Chart

1. Rear Axle Planetary
2. Differential, Transmission, Hydraulic System and Power Steering Dipstick
3. Engine Oil Filter

4. Generator
5. Air Cleaner Dry Filter Element
6. Brake Pedal Assembly
7. Power Steering Pump Strainer

8. Front Wheel Bearings
9. Front Axle Pivot Pins
10. Front Axle Spindle

SEMI-MONTHLY MAINTENANCE (100 HOURS)

Crankcase Oil*

Distributor*

Generator*

Rear Axle Planetary Oil Level*

Magnetic Drain Plugs*

Clutch Pedal Free Play

Check and maintain $\frac{3}{8}$ -inch free play between the clutch pedal assembly and the step plate stop. See page 33 for adjustment procedure.

MONTHLY MAINTENANCE (200 HOURS)

Spark Plugs

Inspect condition. Clean spark plugs and set up gap at 0.025 in. Use new gaskets when reinstalling spark plugs.

Engine Oil Filter Element*

Rear Axle Planetary Retainer Nuts

Tighten the 12 planetary housing retainer nuts on each axle unit.

Brakes

Check individual brake pedal action and adjust if necessary. Check master brake and equalize if necessary. See page 36 for proper procedure.

Cylinder Head Cover Breather Pipe

Remove and clean.

Carburetor

Shut off fuel valve, remove drain plug and drain carburetor.

PERIODIC MAINTENANCE (500 HOURS)

Air Cleaner Dry Filter Element Replacement

Remove the air cleaner dry filter element and replace with a new one.

SPRING AND FALL MAINTENANCE (750 HOURS)

Differential, Transmission, Hydraulic System and Power Steering Oil*

Power Steering Pump Strainer

Remove the power steering pump from the tractor transmission housing. Remove the strainer from the pump and "flush" in a suitable solvent. Reinstall strainer to the pump and the pump to the tractor. See page 41 for the correct procedure.

Hydraulic Pump Intake Strainer

Remove and clean the hydraulic pump intake strainer. See page 42 for the correct procedure.

Power Steering Oil Filter Element

Replace the element as described on page 41.

Radiator

Clean and flush radiator and refill with proper coolant. The use of a reliable rust-inhibitor is very desirable.

Gasoline Tank

Clean and flush tank to remove rust, dirt, and other foreign material.

Air Cleaner

Internal filter. Remove filter assembly and wash in a solvent. Check all connections for tightness.

Distributor Reservoir*

YEARLY MAINTENANCE (1000 HOURS)

Tractormeter*

Front Wheel Bearings*

Upkeep

Wash tractor thoroughly. Remove all rust spots and touch up all areas with Massey-Ferguson Spray Pack Enamel.

*For further information, refer to pages 1, 2, or 3.

TRACTOR IDENTIFICATION

Each tractor is identified by means of a tractor serial number. This number is permanently recorded on the serial number plate which is affixed to the tractor battery box plate on the right side of the tractor. To assist your local Massey-Ferguson Dealer in giving you prompt, efficient service when you request it, it is suggested that you record this Tractor Serial Number and carry it with your other important personal papers so that you may quickly refer to it when any question regarding the identity of your tractor arises.

Your tractor engine also carries a serial number, recorded on the serial number plate which is affixed to the left side of the engine block. This number should also be recorded and made a part of your permanent personal records.



Tractor Serial Number Plate

DUAL RANGE SHIFT LEVER

Located in front of the tractor seat on the transmission housing to the right of the gear shift lever, the high and low ranges are indicated by a raised "H" and "L" characters on a plate secured to the tractor center housing. The raised "S" indicates neutral or start position. For starting, the Dual Range Shift Lever must be in the "S" position in order to close the starting motor circuit. When operating, the lever must be in either the high or low range.

STEERING WHEEL

Hard rubber coated metal base wheel with evenly spaced finger bosses for gripping. The wheel is keyed to the steering shaft and provides easy turning and control of the tractor.

CLUTCH PEDAL

Located to the left of the transmission housing above the step plate. To disengage the engine clutch and the PTO clutch, when operating, depress the pedal with the left foot. Initial movement of the pedal disengages the engine clutch driven disc from the engine flywheel; additional movement of the pedal actuates the power steering pressure relief valve which diminishes the fluid pressure flow to the PTO clutch.

INDIVIDUAL BRAKE PEDALS

Located to the right of the transmission housing and adjacent to each other. Foot pressure on either the right or left pedal brakes the respective right or left wheel for turning.



Tractor Brake Linkage

- | | |
|--------------------------------|-----------------------|
| 1. Brake Cam | 4. Right Brake Pedal |
| 2. Adjusting Nut | 5. Interlocking Latch |
| 3. Hand Operated Parking Lever | 6. Left Brake Pedal |



Power Take-Off Shift Lever Positions

MASTER BRAKE

The individual brake pedals are close enough together to enable the operator to depress them simultaneously to brake the tractors forward motion. An interlocking latch on the left pedal when engaged with the right pedal locks the individual pedals together, thus providing a master brake pedal for highway use.

HAND OPERATED PARKING LEVER

Attached to the right side of the tractor center housing slightly behind the left individual brake pedal is an over center spring type hand operated parking lever. This lever when engaged with the left individual brake pedal provides for convenient locking of both brakes for parking. The hand operated brake lever can easily be engaged or released by depressing the brake pedal.

POWER TAKE-OFF SHIFT LEVER

Located on the left side of the tractor center housing. The lever shifts into three positions: (1) Proportional engine speed, (2) Neutral and (3) Proportional ground speed.

FUEL SHUT OFF VALVE

Located on the bottom left rear of the fuel tank, the valve is turned to the right to shut-off the fuel flow. The valve opened two full turns to the left will allow gasoline to flow from the main tank reservoir. Opening the valve completely permits the use of the reserve two gallons of fuel. Operate on the reserve position one hour each day to keep the reserve passage clean.