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MANUAL PREVIEW

International Harvester

Operator's Manual

M & MV

1949

With Magneto

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IH-O-M 1949

Operator's Manual

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M

Year and Serial Number
Data Plate, left side
Engine area

1939: FBK501
1940: FBK7240
1941: FBK25371
1942: FBK50988
1943: FBK60011
1944: FBK67424
1945: FBK88085
1946: FBK105564
1947: FBK122823
1948: FBK151708
1949: FBK180514
1950: FBK213579
1951: FBK247518
1952: FBK290923
Final: FBK298218

Paint Codes

Ag Farmall
Antique Red (to 1981)

991012r3 (aerosol)
991010r2 (quart)
b90882 (gallon)

Silver (Wheel Trim)

b17567 (aerosol)
b17565 (quart)
b17563 (gallon)

The M was also available in the MV high-clearance "vegetable version" and the MD diesel. The Farmall M was the row-crop version of the McCormick-Deering W-6. In the late 1950s, the M continued production at Doncaster after it had ceased at the Farmall Works, these are often referred to as a model BM.

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INTERNATIONAL HARVESTER COMPANY

180 N. Michigan Ave. Chicago, Illinois

CONTENTS

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The instructions in this manual cover the operation of tractors on all types of fuel, except where otherwise specified.

INTRODUCTION

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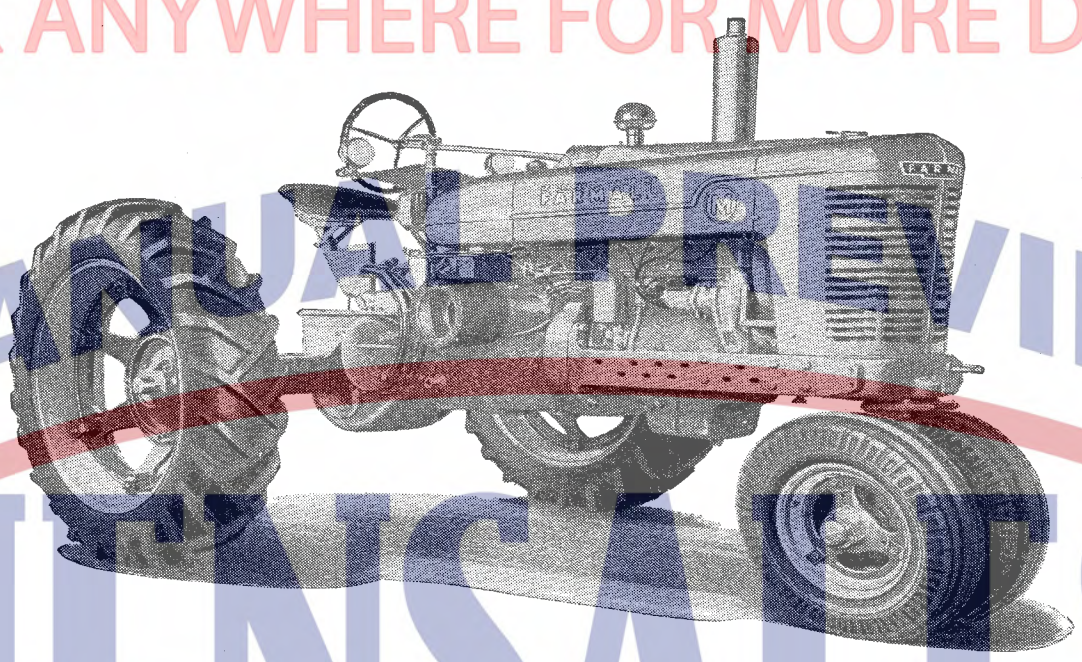

Right front view of the Farmall-M. The pneumatic tires, electric lighting, exhaust muffler and belt pulley shown in this illustration are special features.

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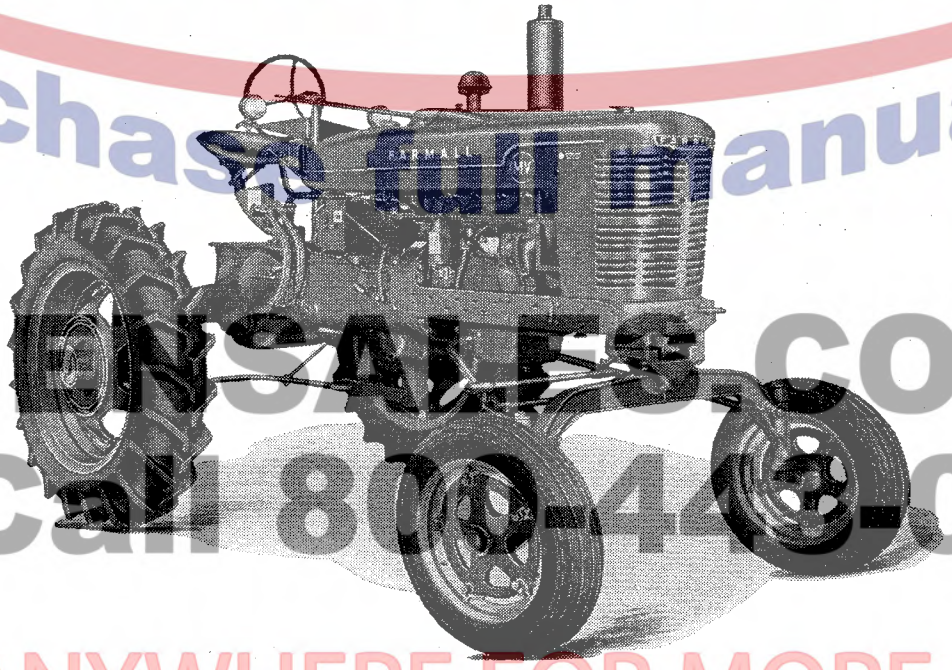

Right front view of the Farmall-MV. The electric lighting and exhaust muffler shown in this illustration are special features.

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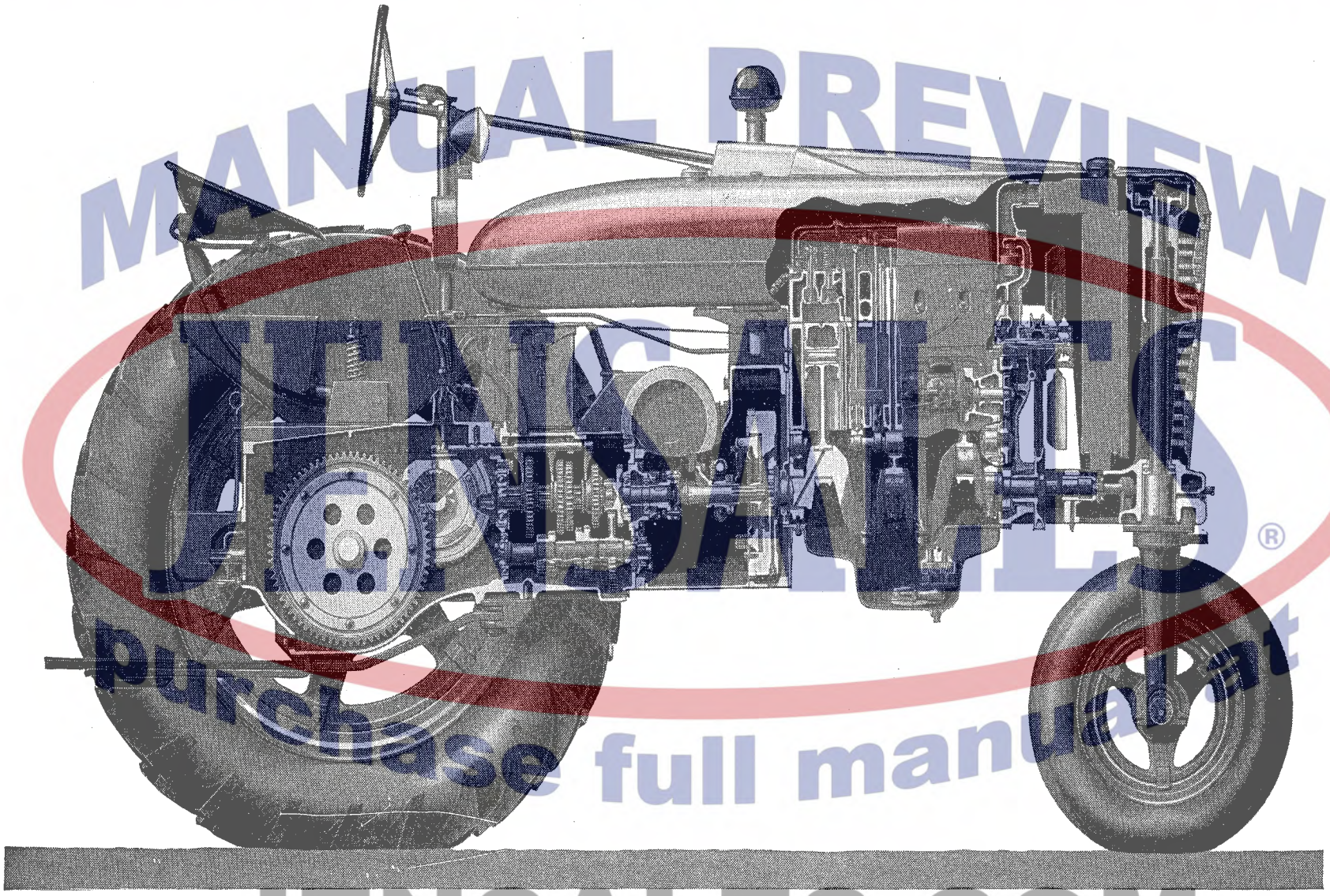

Cut-away view of the Farmall-M showing the internal working parts. The pneumatic tires, belt pulley, power take-off, swinging drawbar and the electric starting and lighting shown in this illustration are special features. Details of the engine are shown in the illustration below.

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Instruments and Controls

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Manifold Heat Control Lever

The manifold heat control is used only on distillate-gasoline and kerosene tractors. The manifold heat control valve has four adjustment positions: Top notch, "HOT" position; two center notches, "INTERMEDIATE" positions; and bottom notch, "COLD" position. To change positions, simply loosen the lock nut on the valve lever and move the lever to the desired position.

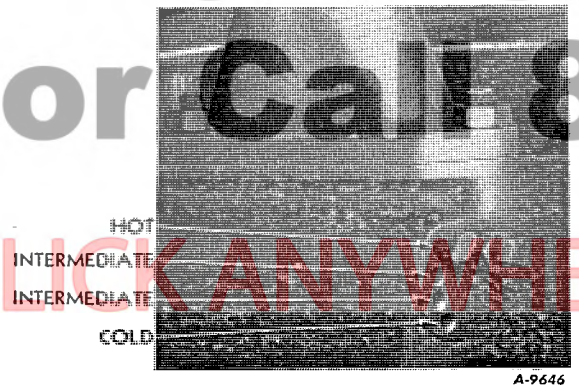
When operating on distillate or kerosene, set the valve in "HOT" position, except when operating in very hot weather, or when the engine will be handling a constant heavy load. In these instances set the valve in either of the two "INTERMEDIATE" positions or "COLD" position.

If a distillate or kerosene engine is to be operated on gasoline, set the valve lever in "COLD" position and remove the manifold shield.

Illust. 4—Instruments and Controls. The heat indicator and radiator shutter control crank are regular equipment on distillate-gasoline and kerosene tractors.

Governor

The governor is set at the factory and should require no adjustment. Consult your International Harvester dealer if the governor does not function properly.



Illust. 3—The Heat Control Valve Set in "HOT" Position.

Magneto Ignition Switch Button

This button, when pushed all the way in, will ground the magneto and stop the engine. Pull out this button when starting the engine.

Gearshift Lever

The gearshift lever is used to select the various gear ratios provided in the transmission. There are five (5) forward speeds and one (1) reverse speed.

Note: The fifth speed is locked out when steel wheels are used; for further instructions refer to *page 21.*

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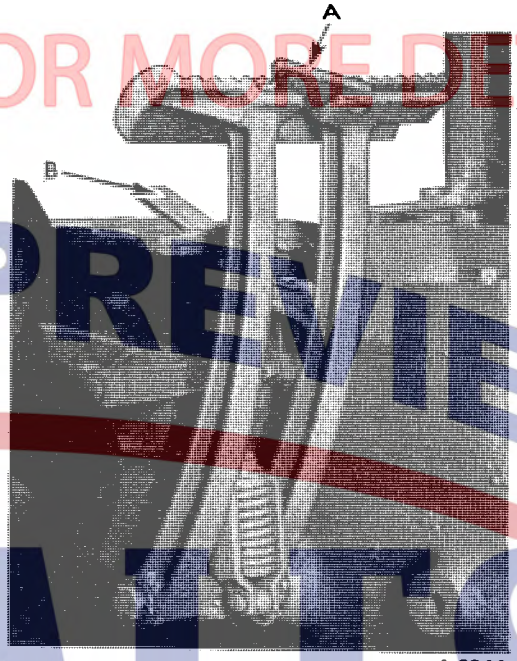
Brake Pedals

These pedals are used to stop the tractor, to hold the tractor in a stationary position, or to assist in making sharp turns as outlined below:

To stop the tractor, latch the pedals together so that both brakes will operate simultaneously.

To hold the tractor in a stationary position, latch the pedals together, depress and lock them in this depressed position by using the brake pedal lock.

To assist in making a sharp turn, the pedals must be operated individually, depressing the pedal on the side toward which the turn is to be made.



Illust. 6—Rear View of Brake Pedals Locked Together.
(A) Brake Pedal Latch.
(B) Brake Pedal Lock.

Brake Pedal Latch

This latch is used to latch both brake pedals together, causing the brakes to operate simultaneously.

Caution! Always latch the brake pedals together when driving the tractor in high gear (5th speed). To latch the pedals together, engage the latch "A" (located in back of left pedal, *Illust. 6*) in the slot in back of the right pedal. When brake pedals are not latched together, the latch should rest in the slot in back of the left brake pedal.

Heat Indicator

The heat indicator (located on the engine hood) indicates the temperature of the liquid in the cooling system. The needle should be in the center of the "RUN" range for engines using distillate or kerosene fuels, *Illust. 7,* or in the low side of the "RUN" range for gasoline fuel.

Illust. 7—Heat Indicator in Correct Operating Position when Operating on Distillate or Kerosene.

Locking Brakes

To lock the brakes, first latch the brake pedals together as described above. Then push both pedals all the way down and lift the brake pedal lock "B" with your finger, and the brake pedals will lock in this position. To release the brakes, simply push the brake pedals further in and the lock will automatically release.

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