

McCormick Farmall 230 Tractor

Operators Manual

1004482R3

Reprinted

CASE III



This symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED. The message that follows the symbol contains important information about your safety. Carefully read the message. Make sure you fully understand the causes of possible injury or death.

SB001

IF THIS MACHINE IS USED BY AN EMPLOYEE, IS LOANED, OR IS RENTED, MAKE SURE THAT THE OPERATOR UNDERSTANDS THE TWO INSTRUCTIONS BELOW.

BEFORE THE OPERATOR STARTS THE ENGINE:

1. GIVE INSTRUCTIONS TO THE OPERATOR ON SAFE AND CORRECT USE OF THE MACHINE.
2. MAKE SURE THE OPERATOR READS AND UNDERSTANDS THE OPERATOR'S MANUAL FOR THIS MACHINE.



IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH.

BEFORE STARTING THE ENGINE, DO THE FOLLOWING:

1. READ THE OPERATOR'S MANUAL.
2. READ ALL SAFETY DECALS ON THE MACHINE.
3. CLEAR THE AREA OF OTHER PERSONS.

LEARN AND PRACTICE SAFE USE OF MACHINE CONTROLS IN A SAFE, CLEAR AREA BEFORE YOU OPERATE THIS MACHINE ON A JOB SITE.

It is your responsibility to observe pertinent laws and regulations and to follow manufacturer's instructions on machine operation and maintenance.

See your Authorized Case dealer for additional operator's manuals, parts catalogs, and service manuals.

Operator's Manual



McCORMICK FARMALL
230
TRACTOR

INTERNATIONAL HARVESTER COMPANY

180 North Michigan Ave.

Chicago 1, Illinois, U. S. A.

TO THE OWNER

We are glad to welcome you as an owner of a product of International Harvester Company. You have a fine product, designed and built to give you many years of efficient operation. The way you operate and the care you give this product will have much to do with its successful performance.

To help you operate your equipment with utmost efficiency we have provided this operator's manual. It has been carefully prepared to give you the benefit of many years of experience gained in field testing and normal usage of this and similar products.

We urge you to study this manual so you will understand your new equipment thoroughly before operating it. We also urge you to take care of your manual so you will have it available for reference when you need it.

If your manual is lost or destroyed, a new copy may be ordered from the International Harvester dealer at a nominal price. Your International Harvester dealer will also be glad to answer any questions you may have on the operation or care of this product.

It is the policy of International Harvester Company to improve its products whenever it is possible and practical to do so. We reserve the right to make changes or add improvements at any time without incurring any obligation to make such changes on products sold previously.

All illustrations and descriptive matter in this publication apply to International Harvester products sold under the International, McCormick, or McCormick-International trade name.

As a member of the National Safety Council, we are privileged to use the Green Cross for Safety to designate not only our interest in Safety, but to point out more clearly the safety precautions in this manual.

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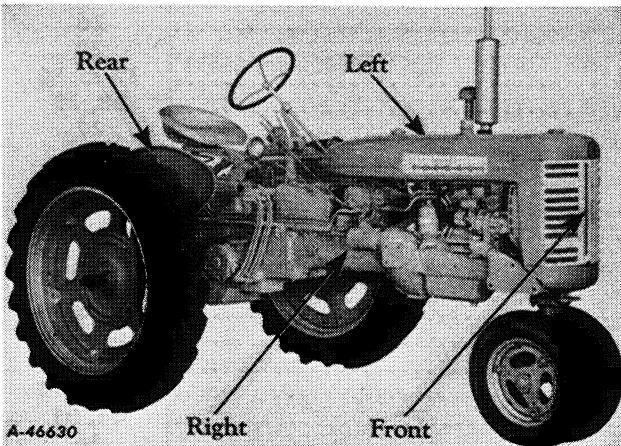
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INTRODUCTION

Assembled in this book are operating and maintenance instructions for the Farmall 230 Tractor. This material has been prepared in detail in the hope that it will help you to better understand the correct care and efficient operation of your tractor.

If you should need information not given in this manual, or require the services of a trained mechanic, get in touch with the International Harvester dealer in your locality. Dealers are kept informed on the latest methods of servicing tractors. They carry stocks of IH parts, and are backed in every case by the full facilities of a nearby International Harvester District Office.

Throughout this manual the use of the terms LEFT, RIGHT, FRONT, and REAR must be understood to avoid confusion when following instructions. LEFT and RIGHT indicate the left and right sides of the tractor when facing forward in the driver's seat. Reference to FRONT indicates the radiator end of the tractor; to REAR, the drawbar end. See *Illust. 2*.



Illust. 2
Terms of location.

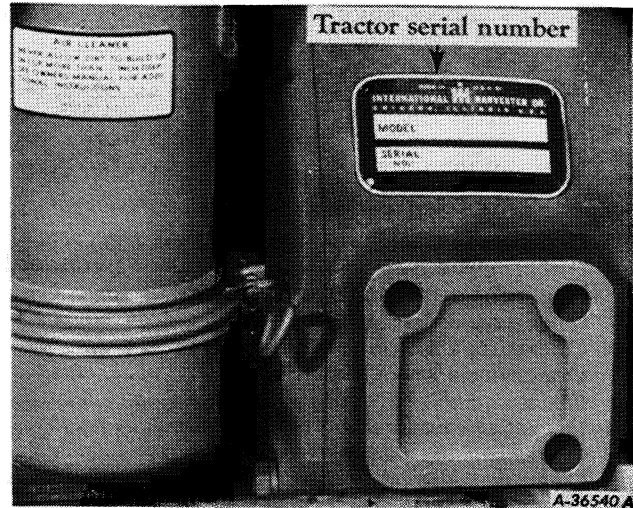
The illustrations in this manual are numbered to correspond with the pages on which they appear; for example, *Illusts. 2, 2A, and 2B* are on page 2.

In order to provide a tractor equipped as nearly as possible to suit each customer's needs, a variety of extra equipment and accessories is available.

Many of these items are illustrated and described in the Extra Equipment and Accessories section of this manual.

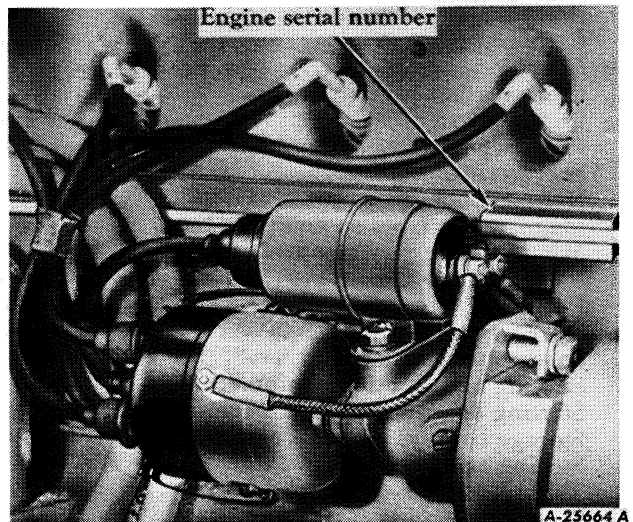
Where operating and maintaining instruction on these items is required, it is included in the instructions for operating and maintaining the tractor. Disregard the instructions for equipment not on your tractor.

When in need of parts, always specify the tractor and engine serial numbers including prefix and suffix letters. The tractor serial number is stamped on a name plate attached to the left side of the clutch housing. See *Illust. 2A*.



Illust. 2A
Location of the tractor serial number.

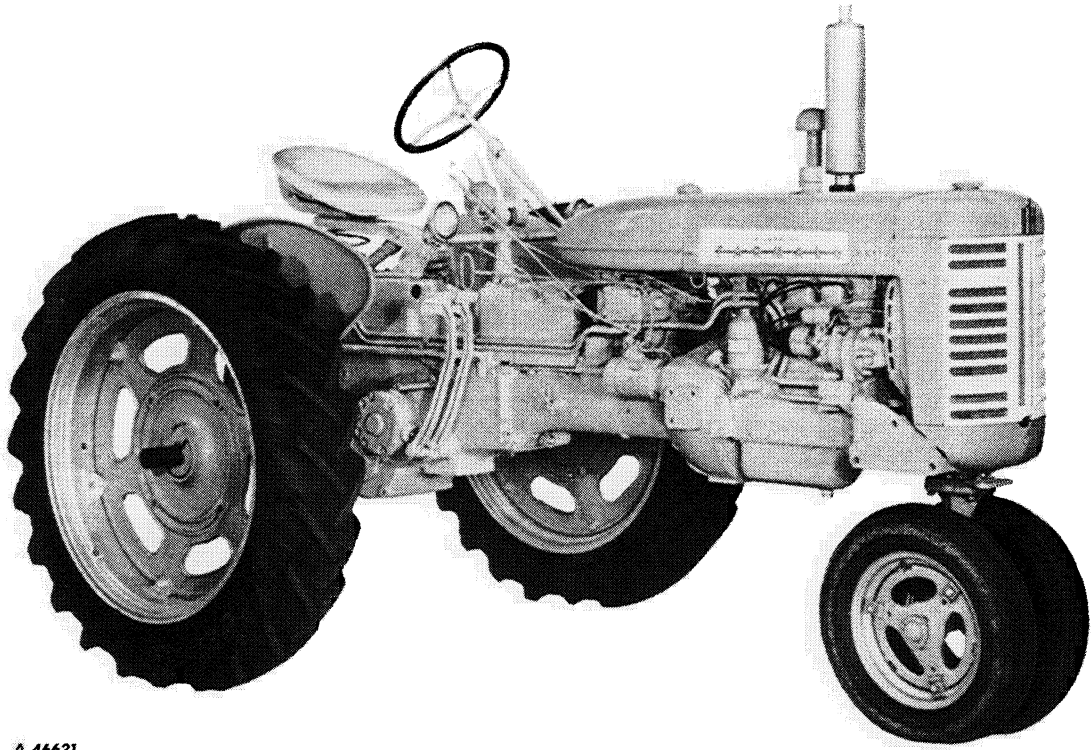
The engine serial number is stamped on the right side of the engine crankcase above the battery ignition unit. See *Illust. 2B*. This serial number is preceded by the prefix C-123, which indicates that it is a carbureted engine with 123-cubic-inch piston displacement.



Illust. 2B
Location of the engine serial number.

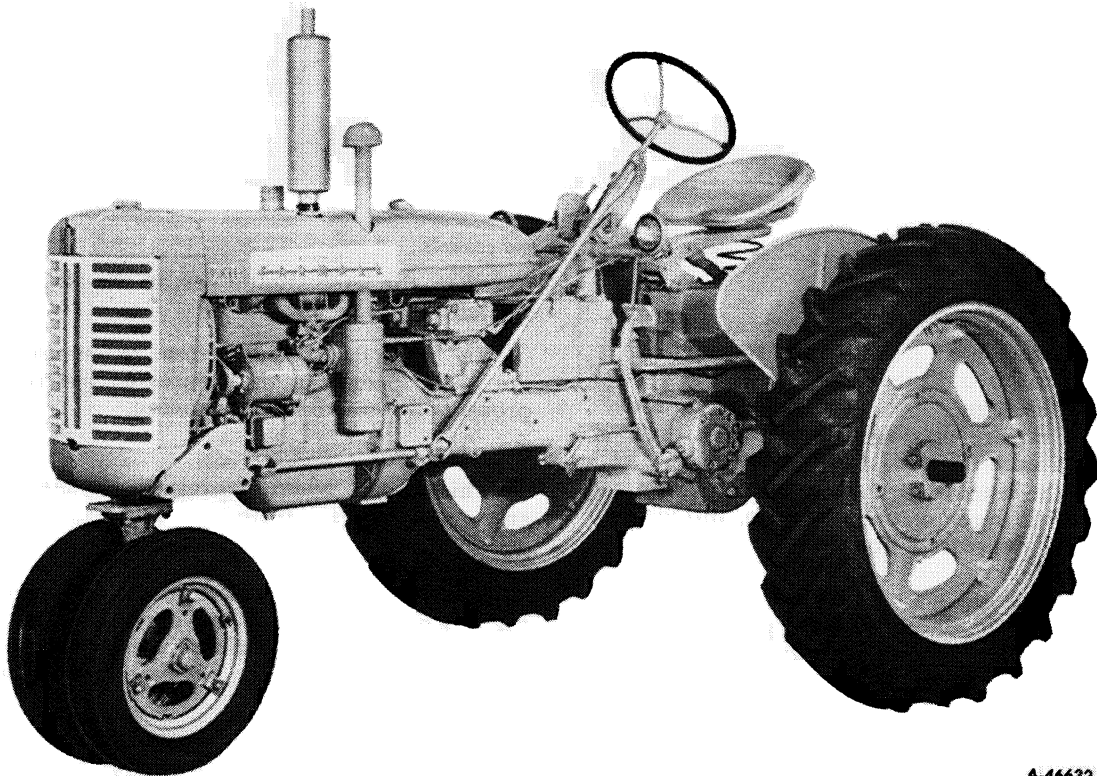
For ready reference we suggest that you write these serial numbers in the spaces provided on the Delivery Report.

DESCRIPTION



A-46631

Illust. 3
Right side view.

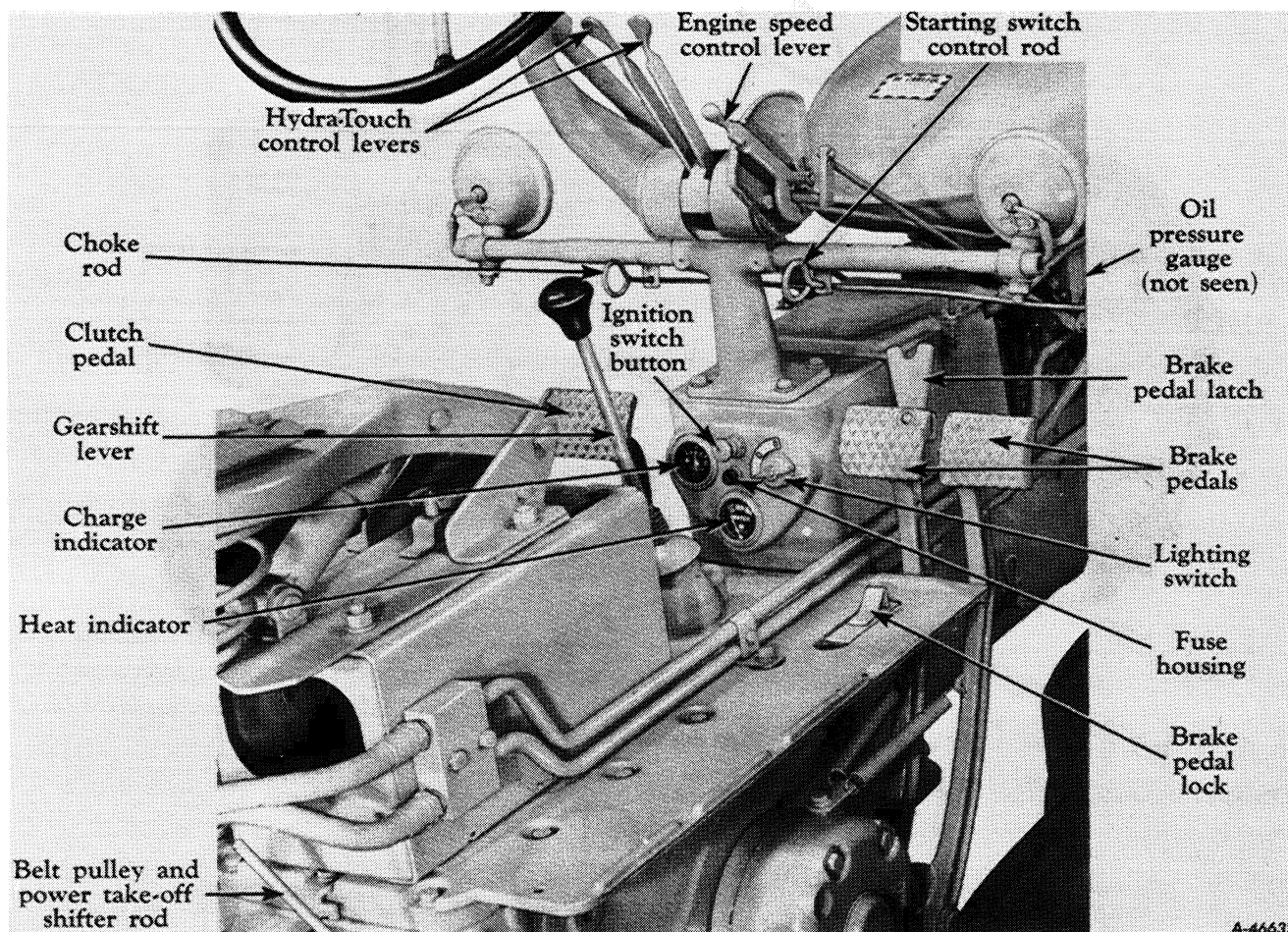


A-46632

Illust. 3A
Left side view.

DESCRIPTION

Instruments and Controls



Illust. 4
Location of instruments and controls.

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, depress both pedals at the same time. Before driving the tractor in high gear, always latch the pedals together.

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

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

The brake pedal latch (Illusts. 4 and 18) 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 (fifth speed). To latch the pedals together, engage the latch (located in back of the left pedal) (Illusts. 4 and 18) in the slot in back of the right pedal. When the brake pedals are not latched

together, the latch should rest in the slot in back of the left brake pedal.

The brake pedal lock (Illust. 18) is used to lock the brake pedals in the depressed position. This prevents the tractor from moving.

Clutch Pedal

This pedal, when depressed all the way, disengages the engine from the transmission.

Choke Rod

The choke rod makes it possible to regulate the carburetor choke from the driver's seat. Pulling out on the choke rod closes the carburetor choke for starting the engine; pushing it back in opens the choke.

Radiator Shutter Control Lever

The control lever opens and closes the radiator shutter, controlling the engine temperature. Pull the lever all the way back to close the shutter and move the lever forward to open the shutter.

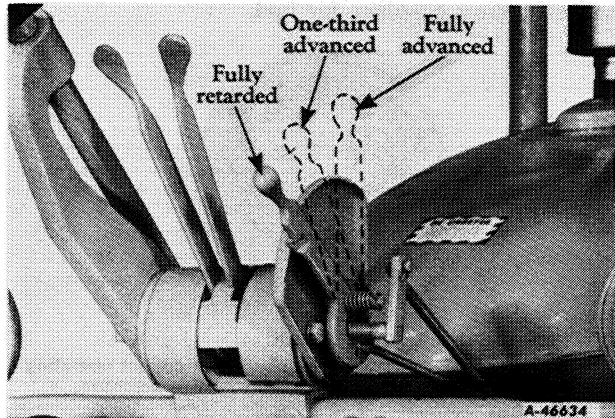
Note: Tractors with gasoline engines are not regularly equipped with this feature.

DESCRIPTION

Engine Speed Control Lever

This lever controls the speed of the engine and, when set in a given position, will maintain a uniform engine speed even though the engine load may vary.

The rated or maximum full load governed speed is 1,800 r.p.m.; maximum idle speed is approximately 1,980 r.p.m.; minimum idle speed (hand throttle) is 400 to 450 r.p.m. with the engine speed control lever fully retarded. See *Illust. 5*. Never operate the engine at more than the regular governed speed. Excessive speeds are harmful.



Illust. 5

Various positions of the engine speed control lever.

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.

Ignition Switch Button

This button closes and opens the electrical circuit for operating and stopping the engine. Pull the button out for operating and push it in to stop the engine.

Caution! On tractors with battery ignition, when the engine is not operating or the engine has stalled and the operator leaves the tractor, the ignition switch button must be pushed all the way in, so that the switch is in the off position, to prevent battery discharge.

Starting Switch Control Rod

To start the engine, adjust the choke rod and pull out on the starting switch control rod as explained on page 11.

Lighting Switch

The switch has three positions: "D"—dim lights, "B"—bright lights, and "O"—off.

Belt Pulley and Power Take-Off Shifter Lever

The shifter lever is used to engage and disengage either the belt pulley or the power take-off. See pages 23 to 25 for operating instructions.

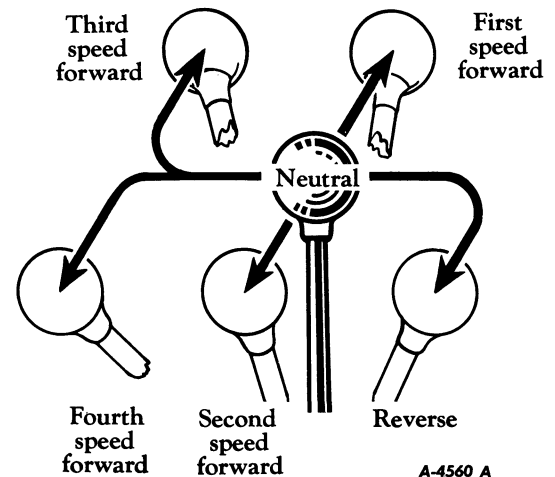
Hydra-Touch System Control Levers

These levers (*Illust. 4*) operate the Hydra-Touch system. They are used to raise, partially raise or lower direct connected or trailing-type implements. See pages 20 and 21 for operating instructions.

Seat Position Release Lever

This lever is used to hold the seat in the desired position. For additional information, see page 16.

Gearshift Lever

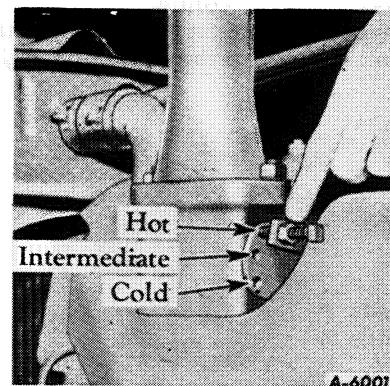


Illust. 5A
Gearshift positions.

This lever is used to select the various gear ratios in the transmission. There are four forward speeds and one reverse speed. See *Illust. 5A*.

Manifold Heat Control Lever

This control lever (*Illust. 5B*) is used only on distillate or kerosene engines. For normal operation set the lever in the top notch (hot) position. If the distillate or kerosene engine is to be operated on gasoline, set the control lever in the bottom notch (cold) position, and remove the manifold shield. For complete instructions, see pages 14 and 15.



Illust. 5B
Heat control lever set in the hot position (distillate or kerosene engines only).

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ebooklibonline@outlook.com