

F-20 Farmall Tractor McCormick-Deering

Operators Manual

INT-5205B

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.

Instruction Book

McCormick-Deering

Farmall Tractor

Model F-20

(Regular, Narrow Tread and Fairway)

Important

TO OWNERS OF MODEL "F-20" FARMALL TRACTORS—

This book has been prepared and is furnished for the purpose of giving the user as much information as possible pertaining to the care and operation of this machine. The owner is urged to read and study this instruction book and if ordinary care is exercised, he will be assured of satisfactory service.

INTERNATIONAL HARVESTER COMPANY

180 NORTH MICHIGAN AVE. CHICAGO 1, ILLINOIS, U.S.A.

Preserve This Book

Examine the Tractor carefully and see that all oil holes are cleaned of paint and dirt—if any threaded oil holes are found with no fitting or pipe connections, look at the Lubrication Chart. If connection is shown, and not in place, it was lost and should be replaced before starting.

Special Precautions with a New Tractor

1. Before starting a new engine, remove the spark plugs and put about one ounce of gas engine lubricating oil into each cylinder; replace the spark plugs and crank the engine to distribute the oil over the cylinder walls.
 2. During the first one hundred hours of operation, mix one pint of engine oil with every five gallons of fuel.
 3. Engine is filled with oil suitable for "running in" a new engine. *Before operating under load, the crankcase should be drained completely and filled with oil as specified in the "Lubrication Chart."*
 4. Tractors shipped Domestic and Canada are properly filled with oil in all parts when shipped from the factory. *All oil is drained from Tractors shipped Export.* However, Tractor should be checked over for proper quantities of oil before starting.
 5. *Do not operate a new Tractor on full load.* The Tractor should never be loaded to full capacity until it has been run light for a reasonable length of time. *Do not overload the Tractor at any time.*
 6. On new Tractors, or new wheel and lug installations, it is advisable to check and tighten up the rear wheel lug bolts a couple of times at short intervals to be sure lugs properly seat themselves.
 7. *Read Instruction Book carefully.*
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CAUTION: Based on the fire hazard and insurance regulations, we do not recommend the use of gasoline for the cleaning of parts, at least not when service is performed inside of buildings. A less inflammable fluid than gasoline should be used, such as Stoddard solvent or kerosene.

We reserve the right to make changes in design or add any improvements without incurring the obligation to install such changes on Tractors previously purchased.

Ordering Repairs

When ordering repairs, be sure to give Serial Number and Model of Tractor and name and number of Part Ordered.

This book contains, in addition to instructions for operating, instructions and illustrations pertaining to certain simple adjustments and replacements which can readily be made. However, the owner should consult the service dealer before attempting a general overhauling or when any mechanical difficulties occur, as he has the necessary equipment for doing the work.

*Specifications will be found on inside back cover.
Index will be found on page 1*

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NOTE: Pages 11 to 13 are for Gasoline Operation.
 Pages 5 to 10 are for Distillate Operation.
 Page 4 and 14 are for both Gasoline and Distillate Operations.
 The balance of the book is for both Gasoline and Distillate Operation, except as noted.

TO OWNERS:

This Tractor is designed and built to give good performance and maximum service. Quality materials and good workmanship are employed throughout the entire unit.

The suggestions and requirements for operating outlined in this book are essential to maintain satisfactory performance and economical service. The care and daily attention given the Tractor will largely determine its maintenance cost and success of operation.

Owners should use the extensive facilities offered by McCormick-Deering and International dealers when service is needed that requires the knowledge of an experienced serviceman. This is advisable as Dealers are kept informed on the best methods of servicing Tractors and are in a position to give satisfactory service.

LUBRICATION

SAE Numbers or weights of oil and lubricants recommended:

	Engine Crankcase	Magneto and Coupling	Lubricating Fittings	Air Cleaner
Summer	SAE-30 or SAE-40	Very Light or Sewing Machine Oil	Approved Lubricant SAE-160	SAE-20 or Lighter
Winter	SAE-10-W or SAE-20-W	Very Light or Sewing Machine Oil*	Approved Lubricant SAE-90	SAE-20 or Lighter

* Use kerosene in magneto coupling during cold weather.

CAUTION! Be sure to use a mineral oil for lubricating the engine. Do not use top cylinder or valve oils.

NOTE: Engine lubricating oil shall be of well refined oils, free from water, sediment, acid, resin or any other substance not derived from petroleum. Oil shall not corrode any metal used in engine construction.

Never check oil level while engine is running.

Proper lubrication is very important and instructions should be followed closely.

(See "Lubrication Chart".)

(See Special Instructions for Cold Weather Operation on pages 19 and 20.)

TRANSMISSION, REAR AXLE CARRIERS, STEERING GEAR CASE, ETC.

	Transmission Case	Rear Axle Carriers	Steering Gear Case
Summer	Approved Lubricant SAE-160	Approved Lubricant SAE-160	Approved Lubricant SAE-160
Winter	Approved Lubricant SAE-90	Approved Lubricant SAE-90	Approved Lubricant SAE-90

See Instructions on page 17 for filling Hand Lubricator.

Approved Lubricant

The lubricant used for Transmission, Rear Axles, etc., Alemite and Zerk Systems should be a good grade of oil and conform to the following:

SAE-160 should be used when minimum temperature is above 40° F.

SAE- 90 should be used when minimum temperature is below 40° F.

The preferred lubricant should be made from mineral oil and should be free from solid materials, which are undesirable for ball or roller bearing lubrication.

OPERATING PRECAUTIONS

Read Instruction Book carefully.

Follow "Lubrication Chart."

Before cranking engine, BE SURE:

1. Gear shift lever is in neutral position.
2. Cooling system is filled with water.
3. Crankcase has sufficient lubricating oil.

When cranking the engine, retard spark control. Operator should take his position so as to avoid being struck by starting crank if there is a reversal of the direction of the engine from any cause whatsoever.

When starting the Tractor, *always engage clutch gradually, so engine will pick up the load slowly.* This is particularly necessary when going up a steep hill, climbing out of ditches or when hitched to a heavy or difficult load. Never hitch to a stump or other object by means of a long chain or rope with slack so that when Tractor moves forward it will jerk into the load.

Never operate engine at more than the regular governed speed. *Excessive speeds are harmful.*

WARNING!

Do not hitch to the Tractor at any point except to the draw bar.

Do not attempt to pull when draw bar is removed.

Always use draw bar and braces.

Draw bar and braces must be kept tight.

Never fill fuel tank when near an open flame, or when the engine is running. Keep funnel in contact with metal of fuel tank when pouring in fuel, to avoid possibility of an electric spark igniting the gas. Be very careful about lighting matches near gasoline, as the air within a radius of several feet is permeated with a highly explosive vapor.

Care should be exercised when Tractor is in motion to prevent accidents and personal injuries.

Do not use the clutch pedal as a foot rest, this causes undue wear on clutch parts.

Never pour cold water into radiator if engine is very hot.

Do not overload the Tractor at any time.

When pneumatic tires are used, keep correct air pressure in tires.

NOTE: Be sure to read instructions on "Special Precautions with a new Tractor," given on inside front cover.

Buy Now



Our support email:

ebooklibonline@outlook.com