

F12 McCormick-Deering Farmall Tractor

Operators Manual

INT-5119A

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.

WARNING

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.

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*NOTE:- Pages 11 to 15 are for Gasoline Operation.
 Pages 5 to 10 are for Distillate Operation.
 Page 4 is 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.

Tractor Owners should use the extensive facilities offered by McCormick-Deering and International dealers when service is needed that requires the knowledge of an experienced service man. 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

S. 1. E. Numbers or weights of oil and lubricants recommended.

	Engine Crankcase	Magneto & Coupling	Lubricating Fittings	Air Cleaner
Summer	SAE-30 or SAE-40	Very Light, Cream Sep. or Sewing Machine Oil	Approved Lubricant SAE-160	SAE-20 or Lighter
Winter	SAE-10-W or SAE-20-W	Very Light, Cream Sep. 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 17 and 18).

TRANSMISSION, STEERING WORM, FRONT AND REAR WHEELS, ETC.

	Transmission Case	Steering Gear Case	Front and Rear Wheels, Etc.
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 20 for filling Compressor (gun).

The lubricant used for Transmissions, etc., Alemite, Lincoln and Zerk System 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.

Do not use grease. 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 tractor engine, be sure:-

- 1. Gear shift lever is in neutral position.*
- 2. Radiator is filled with water.*
- 3. Engine has sufficient oil in crankcase pan.*

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 dangerous.

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.*

Drawbar and braces must be kept tight.

Never fill tank when lamps are lighted or open flame is near, or 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 the 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 pedals as a foot rest; this causes undue wear on clutch parts.

Never pour cold water into radiator if engine is hot.

Do not overload the Tractor at any time.

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

GASOLINE OR DISTILLATE OPERATION

Paragraphs are numbered to correspond with numbers on the illustrations.

PREPARATIONS FOR STARTING
LUBRICATION (See "Lubrication Chart").

Para. Illust.

- | | | |
|---|------|---|
| 1 | | Oil magneto.
Check oil level of air cleaner.
Check oil level of engine crankcase.
Check oil level of transmission case.
Check oil level of steering gear case.
Check Tractor carefully with "Lubrication Chart".
If any lubrication connections are missing, replace before starting.
Lubricate each place throughout entire Tractor as instructed on "Lubrication Chart". |
|---|------|---|

ENGINE COOLING SYSTEM - (Water capacity $3\frac{1}{2}$ U.S. gallons approximately).

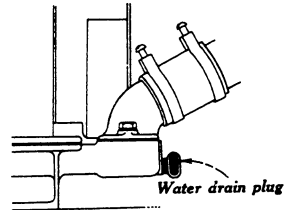


Illustration No. 1

- | | | |
|---|---------|---|
| 2 | 1 | See that drain plug on radiator drain pipe is closed. |
| 3 | 2 and 3 | Remove radiator filler cap and fill radiator with clean water. Keep filled to full level. Use soft or rain water if possible. |
| 4 | 2 | Do not pour cold water into an empty system when engine is very hot. |
| 5 | | In temperatures below 32° F. see "Cold Weather Operation", pages 17 and 18. |
-

DISTILLATE OPERATION

Paragraphs are numbered to correspond with numbers on the illustrations.

PREPARATIONS FOR STARTING - Continued

Para. Illust.

- 6 *NOTE:* Provision is made in the design of this engine to use gasoline as fuel and can be operated on distillate by application of special equipment listed for distillate operation (See Parts List.).

Economical use of distillate requires different operating care of the engine. Follow instructions to obtain best results.

Before changing to distillate, allow engine to thoroughly warm up. Five or eight minutes or more are usually necessary depending on atmospheric temperature.

WINTERFRONT

- 7 2A To assist engine in warming up quickly to burn distillate, close winterfront all the way by turning the shutter crank all the way to the left (counter clockwise). After engine has reached operating temperature, open winterfront by turning control handle to right (clockwise).

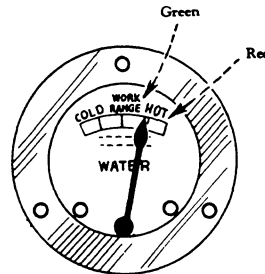


Illustration No. 2
Heat Indicator

When using distillate for fuel it is desirable to keep the shutter closed enough so as to maintain the operating temperature on the high side of the working range on heat indicator. (See Illustration No. 2).

- 8 Adjustment of winterfront will vary according to load and temperature. When starting engine do not change from gasoline until engine is hot enough to burn distillate. Do not idle engine for longer intervals as engine will get cool, making it objectionable for best operation on distillate.

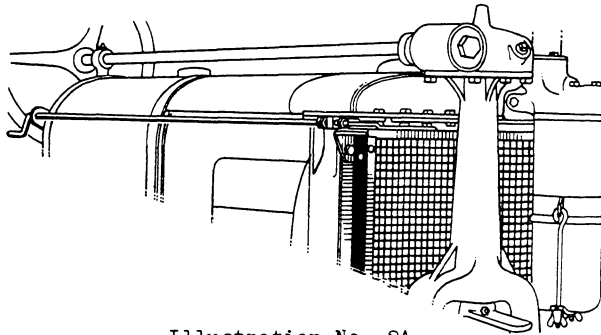


Illustration No. 2A

- 9 2A *Important:* Do not start the engine in freezing weather without first closing the winterfront completely.
- 10 If engine misses or is slow to accelerate when starting, it is likely not hot enough to run on distillate.

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