

**McCormick - Deering
W-30 Tractor**

Operators Manual

INT-5366A





*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.

INDEX

Description	Page No.
Alemite Hydraulic Lubrication System	15
Anti-Freezing Solutions	18
Cold Weather Operation	17,18
Cooling System	4
Distillate Operation	4 to 10,13
Drawbar and Hitch	14
Gasoline Operation	4,11 to 13
Gear Shifting	13
Governor	14
Lubrication	2,4,16
Operating Precautions	3
Preparing Tractor for Operation (Gasoline)	11
Preparing Tractor for Operation (Distillate)	7,8
Starting Gasoline Engine	12,13
Starting the Distillate Engine	9
Starting Tractor	13
Stopping the Gasoline Engine	13
Stopping the Distillate Engine	10
Stopping Tractor	13
Tractor Specifications	Inside back cover
Radiator shutter winterfront	5,6
TRACTOR MAINTENANCE	
Air Cleaner	21,22
Belt Pulley	36
Carburetor	20,21
Clutch	35
Connecting Rod Bearings	35
Corrective Measures	42
Crankshaft Bearings	35
Engine Cooling System	32 to 34
Engine Ignition	24
Fuel Strainer	19
Fuel Tanks	18
Hand Brake	35
Magneto	25 to 30
Oil Filter Care	23
Pistons and Rings	35
Power Take-Off	36
Spark Plugs and Cables	24
Steering Gear	35
Storing Tractor	40,41
Transmission	37
Valves	31
Wheels	38,39

NOTE:- Pages 11 to 13 are for Gasoline Operation.

Pages 4 to 10 are for Distillate Operation.

Page 4 is for Gasoline and Distillate Operations.

The balance of the book is Gasoline and Distillate Operations, 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.

Be sure to read "Special Precautions with a New Tractor" shown on back of front cover.

LUBRICATION

S. A. 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, FRONT AND REAR WHEELS, ETC.

	Transmission Case	Front and Rear Wheels, Etc.
Summer	Approved Lubricant SAE-160	Approved Lubricant SAE-160
Winter	Approved Lubricant SAE-90	Approved Lubricant SAE-90

See Instructions on page 15 for filling lubricator.

The lubricant used for Transmission, Rear Axles, etc., Alemite 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.

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.

O P E R A T I N G P R E C A U T I O N S

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 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.*

Never fill gasoline tank when near an open flame or when 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 very hot.

Do not overload the Tractor at any time.

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

MANIFOLD SHIELD

When operating on distillate, manifold shield must always be used.

When operating on gasoline, manifold shield should be removed.

DISTILLATE OR GASOLINE OPERATION

Paragraphs are numbered to correspond with numbers on the illustrations.

LUBRICATION

Para. Illust.

- 1 Oil engine valve levers
Oil magneto.
Check oil level of air cleaner.
Check oil level of engine crankcase.
Check oil level of transmission 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 - 11 U.S. gallons approximately)

- 2 See that drain cap is on radiator drain pipe.
- 3 1 Close drain cock "D" on side of crankcase.
- 4 1 Open pet cock "C" in water outlet manifold.
- 5 2 Remove radiator filler cap and fill radiator with clean water to the level 1" above baffle plate (inside of filler hole). Keep filled to full level. Use soft or rain water if possible.
- 6 1 Close pet cock "C" as soon as water appears.
- 7 2 Do not pour cold water into an empty system when engine is very hot.
- 8 In temperatures below 32° F. see Cold Weather Operation pages 17 and 18.

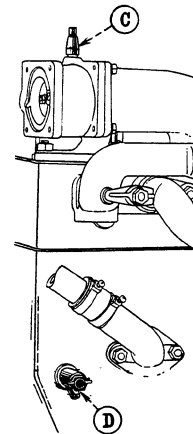


Illustration No. 1

DISTILLATE OPERATION

Paragraphs are numbered to correspond with numbers on the illustrations.

NOTE:

Provision is made in the design of this engine to use either gasoline or distillate as fuel, and can be operated on kerosene by application of special equipment included in Kerosene Attachment. Economical use of kerosene or distillate requires different operating care of engine. Follow instructions to obtain best results.

When using engine with Kerosene Attachment, use the same Operating Instructions for Kerosene Operation as those given for Distillate.

When it is desired to operate a Kerosene Burning Engine on Gasoline, Gasoline Operating Instructions should be followed.

To operate on kerosene, this unit requires new pistons, sleeves, rings, pins and carburetor - (See page 51).

RADIATOR SHUTTER

Para. Illust.

- | | | |
|----|--------|---|
| 9 | 2,2A,4 | To assist in warming up a cold engine quickly, close shutter completely by turning the control handle all the way to the left (counterclockwise). |
| 10 | 2 | When heat indicator begins to show "Hot", open shutter just enough to maintain the operating temperature on the high side of the working range (on heat indicator). |
| | | Adjustment of shutter will vary according to Tractor load, long periods of idling, or atmospheric temperatures. |
| 11 | | NOTE: Distillate and Kerosene fuels are heavier than gasoline and require more heat for proper vaporization. |
| 12 | 2A,4 | Important. Do not start the engine in freezing weather without first closing shutter completely.

See Special Instructions for "Cold Weather Operation" on pages 17 and 18. |
| 13 | | If engine misses or is slow to accelerate when starting, it is likely not hot enough to run on distillate or kerosene. |

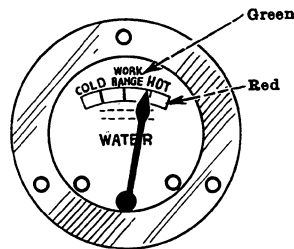


Illustration No. 2
Heat Indicator

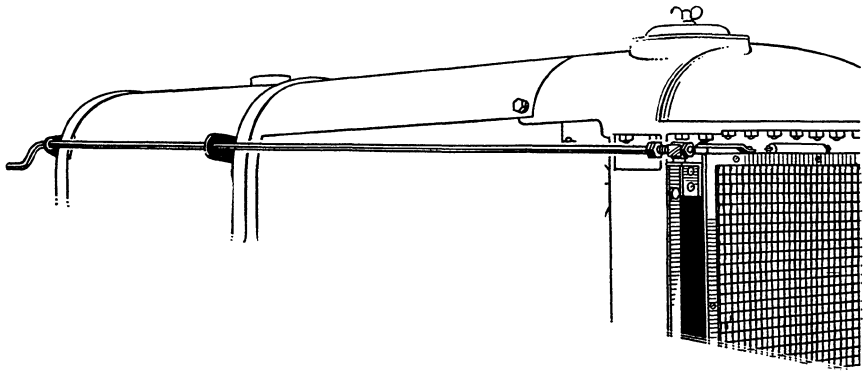


Illustration No. 2A

Buy Now



Our support email:

ebooklibonline@outlook.com