

# 15/30 Gear Tractor

## Operators Manual

MCD3707A

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.

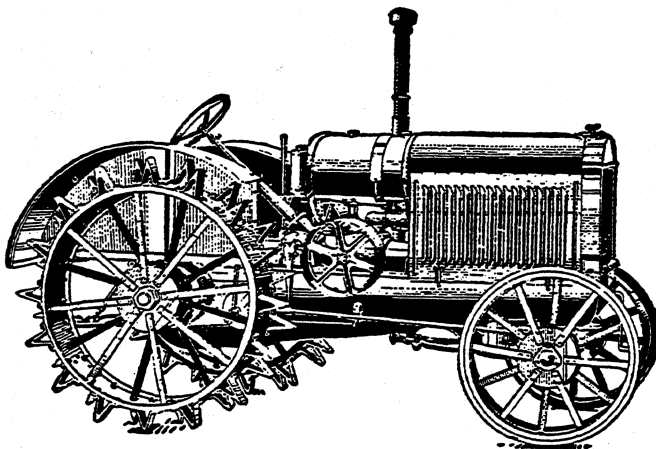
See your Authorized Case dealer for additional operator's manuals, parts catalogs, and service manuals.

**Instruction  
Book**

**McCormick-Deering  
15-30**

(4 $\frac{3}{4}$  x 6")

**Gear Drive Tractor**



**Important  
TO OWNERS—**

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.

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*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 grease 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. See that the engine has the proper amount of oil in the crankcase. Engine is filled with oil suitable for "running in" a new engine. *Before operating under heavy load, the crankcase should be drained completely and filled with oil as specified in the "Lubrication Chart."*
4. Valve levers should be oiled daily.
5. See that all lubrication connections are filled with approved lubricant. (See "Lubrication Chart.")
6. See that oil in transmission is up to level of oil level plug. (See "Lubrication Chart.")
7. See that oil in air cleaner is up to proper oil level.
8. 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.
9. Complete instructions for oiling are shown on "Lubrication Chart."
10. When cranking an engine, the operator should take his position so as to avoid being struck by the starting crank if there is a reversal of the direction of the engine from any cause whatsoever.
11. *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.
12. Modern tractors travel fast, therefore due care should be exercised in getting on or off the tractor, to avoid accident or injury to the operator.
13. When starting the Tractor *always engage the clutch gradually* so the engine will pick up the load slowly. This is particularly necessary when the tractor is going up a steep hill, climbing out of ditches or when hitched to some heavy or difficult load. Never hitch a tractor to a stump or other object by means of a long chain or rope with slack so that when the tractor moves forward it will jerk into the load.
14. *Read Instruction Book carefully.*

### **Ordering Repairs**

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

*Note: 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.*

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.

**A complete list of parts for this tractor will be supplied on request.**

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

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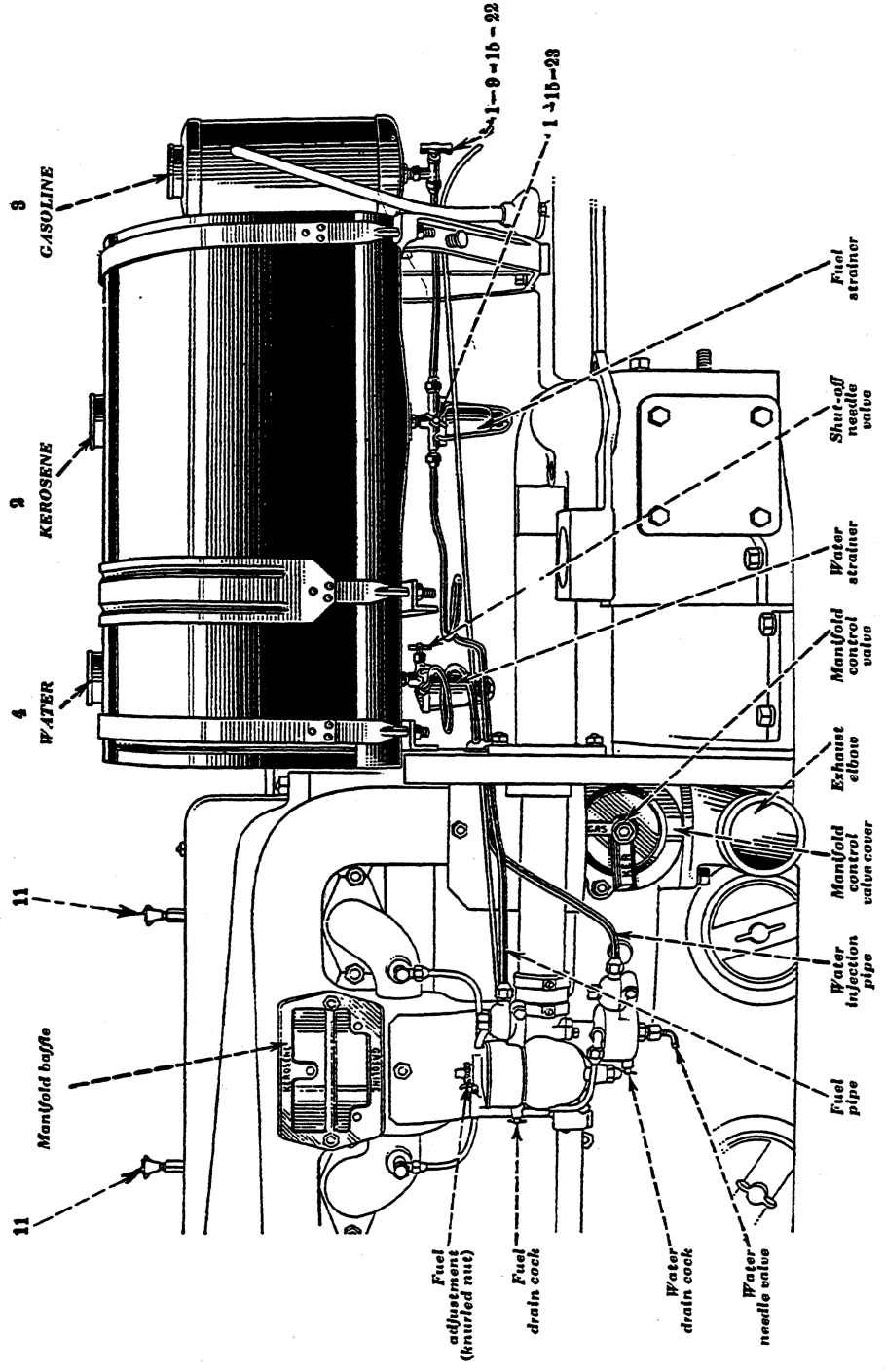


Illustration No. 1

Fuel and water tanks, carburetor and tank connections; valves, etc. (left side view).

1-16-23

Paragraphs are numbered to correspond with numbers on the illustrations.

#### PREPARATIONS FOR STARTING

- | Para. | Illus. |   |
|-------|--------|---|
| 1     | 1      | Close kerosene, gasoline and water shut-off needle valves.  |
| 2     | 1      | Fill fuel tank with clean kerosene (capacity 19 gallons).   |
| 3     | 1      | Fill gasoline tank with gasoline (capacity 3/4 gallon).   |
| 4     | 1      | Fill water tank with clean water (capacity 9 gallons).  |
|       |        | <i>Water is required with the fuel only when operating on heavy loads. Carefully strain all fuel and be sure it is free from water. Gasoline is necessary only when starting and warming up the engine.</i>         |
| 5     | ...    | Fill radiator with clean water to 3 inches from the top of filler hole and keep it well filled. Soft or rain water should be used if it can be readily obtained. The capacity of the cooling system is 12½ gallons. |
| 6     | ...    | See that the engine has the proper amount of oil in crankcase.  |

#### BEFORE STARTING ENGINE

- |   |       |  |
|---|-------|--|
| 7 | 2 & 4 | Put gear shifting lever in neutral position. |
| 8 | 2     | Open throttle lever by moving lever up.      |
| 9 | 1     | Open gasoline shut-off needle valve.         |

#### TO START ENGINE

- |    |       |  |
|----|-------|--|
| 10 | ...   | Trip the magneto starter pawl. (Used only on certain tractors).  |
| 11 | 1     | Prime the cylinders with gasoline.   |
| 12 | 2 & 5 | With spark lever fully retarded and the choker valve completely closed, crank engine rapidly three or four revolutions. Then move spark lever to starting position. Move choker valve nearly one half open and crank engine. As soon as engine starts, the choker valve should be opened to where the engine runs without missing and as engine warms up the choker valve should be moved into wide-open position. |
| 13 | 2     | Set throttle lever to same position as spark lever retarded for starting.  |

#### AFTER ENGINE STARTS AND IS WARMED UP

- |    |   |  |
|----|---|--|
| 14 | 2 | Spark lever must be adjusted for proper advance for load to be handled.  |
| 15 | 1 | After gasoline shut-off needle valve has been closed tight, quickly open kerosene shut-off needle valve, but never have both valves open or even partly open at the same time. If both shut-off valves are open at the same time, kerosene will mix with gasoline, making it unsatisfactory for starting. Engine should be thoroughly warmed up before changing from gasoline to kerosene. |
| 16 | 1 | Open water needle valve for water injection. (For further details see page 14).  |

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