

Titan
10-20 H.P.
Kerosene Tractor

Operators Manual

INT-2801A



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.

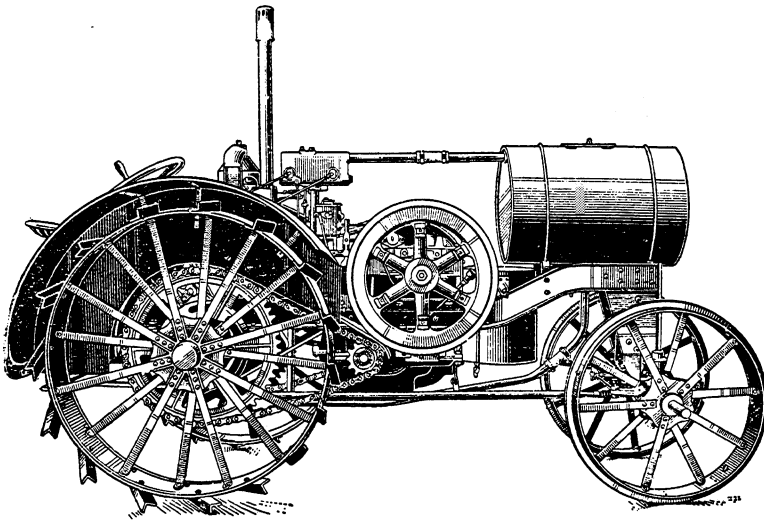
See your Authorized Case dealer for additional operator's manuals, parts catalogs, and service manuals.

INSTRUCTION BOOK

OPERATING THE

TITAN

10-20 H. P.



KEROSENE TRACTOR

(TWO-CYLINDER)

(575 R. P. M. AT RATED LOAD)

MANUFACTURED BY

INTERNATIONAL HARVESTER COMPANY

(INCORPORATED) CHICAGO, U.S.A.

606 SO. MICHIGAN AVE.

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FOREWORD

The simplicity of the Titan 10-20 and the ease with which it is operated, render an intimate knowledge of mechanical technicalities unnecessary.

A careful study of the instructions will enable the operator to familiarize himself with the tractor, as each move necessary is illustrated and described. Fortified with this knowledge, the operator can maintain the tractor economically, operate efficiently and prolong its usefulness. There are several important points in connection with the care and operation, which may be summarized as follows:

OVER-LOADING: (See special instructions on page 67.)

Never over-load the tractor. To do the best work, the machine should have only a normal load, normal speed and proper attention and adjustment. It will add a great deal to the efficiency and life of the tractor if the load is kept within the prescribed limits.

LUBRICATION: (See special instructions on page 20.)

The really important thing connected with a tractor's care is keeping all working parts thoroughly cleaned and oiled. Properly defined, this means that all working parts should, when in operation, have a thin film of clean oil around them. This prevents the metal parts from running in contact and eliminates wear.

(See diagram, page 18.)

IGNITION: (See instructions on page 22.)

Do not attempt any adjustment of magneto without studying instructions carefully.

STORING AND OVERHAULING:

When through with the tractor for any length of time, it should be stored in a dry place, and all water should be drained from the cooling system.

By following the above, time and money will be saved.

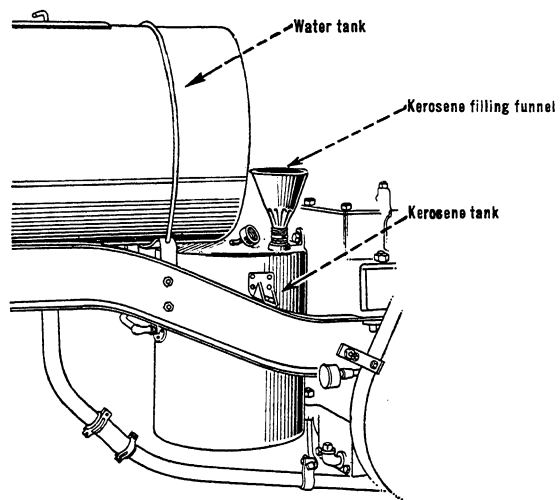


Illustration No. 1—Water and fuel tanks.

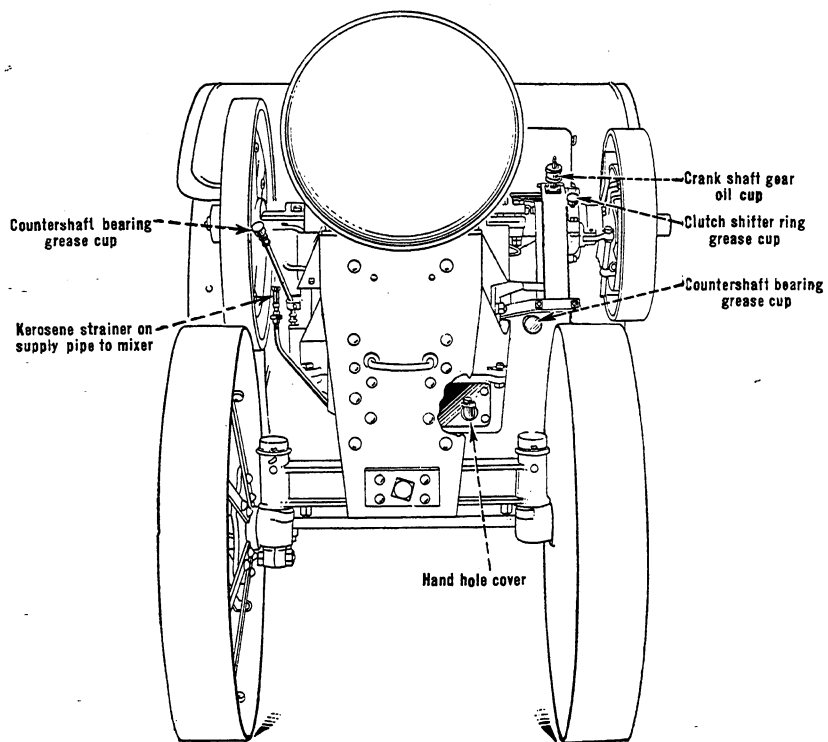


Illustration No. 2—Front of tractor, showing hand hole cover, etc.

TITAN KEROSENE TRACTOR

(10-20 H. P.—TWO CYLINDER)

PRELIMINARY

Remove all burlap or paper covering from engine parts or piping, clean paint, dirt, etc., from all oil holes and fill with clean oil.

If any threaded oil holes are found and no grease cup or pipe connections, look at the oiling diagram on page 18. If cup is shown and not in place, it was probably lost in transit and should be replaced before starting up.

Place clean sheep wool or cotton waste in all large oil hole reservoirs, as over push rod guides and in tappet arms, before filling with oil.

PREPARATIONS FOR STARTING

1. Fill the fuel tank with clean kerosene.
(See illustration No. 1.)
2. Fill gasoline priming tank.
(See illustration No. 6.)
3. Be sure that carburetor float chamber is filled with gasoline.
(See instructions on page 13.)

Carefully strain all fuel and be sure it is free from water.

Gasoline is necessary only when starting and when warming up the engine.

4. Fill the water tank with clean water and keep it well filled. Soft or rain water should be used if same can be readily obtained.
(See instructions on page 16.)
 5. See that mechanical lubricator and transmission have the proper amount of oil.
(See instructions on page 20.)
 6. See that all grease cups are filled with a good grade of hard grease and turn down cups until grease appears at ends of bearings.
(See instructions on page 63.)
 7. See that road wheel hubs are thoroughly greased.
(See diagram for oiling, page 18.)
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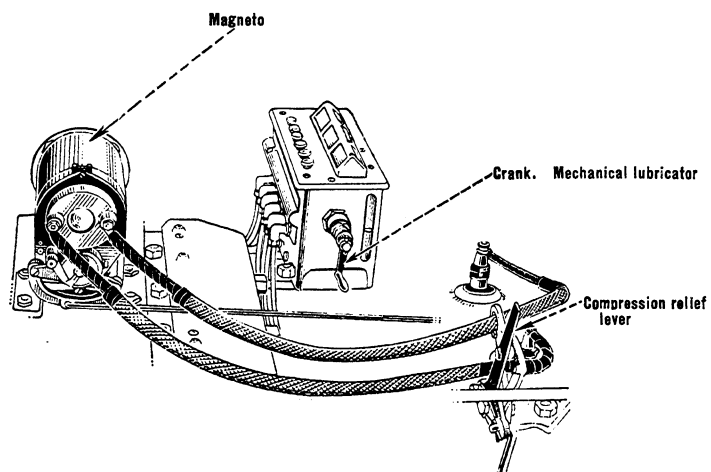


Illustration No. 3—Detail—hand crank on lubricator, relief lever and magneto.

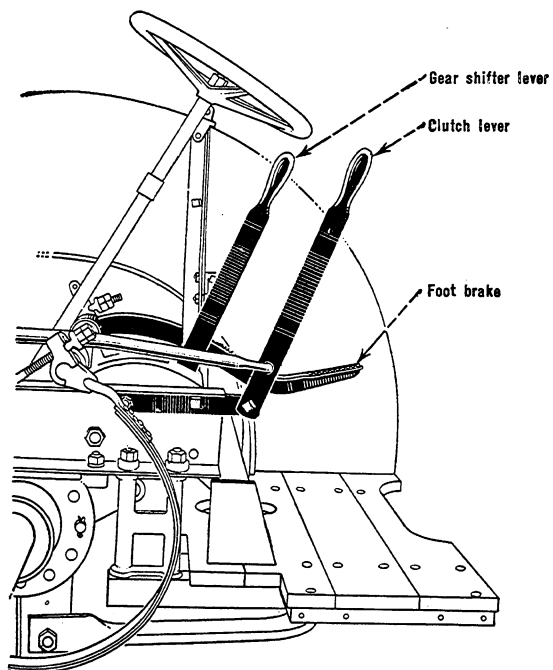


Illustration No. 4—Levers.

BEFORE STARTING ENGINE

1. Before starting engine for the first time or in freezing weather, turn the engine over slowly by hand and oil all moving parts and see that they move freely.
2. See that the governor parts, especially the throttle valve and springs, move freely.
(See illustration No. 42.)
3. See that the gear shifting lever is in the central (neutral) position of its quadrant. In this position no transmission gears are in mesh.
(See illustration No. 4.)
4. Pull the clutch lever back as far as possible, thereby disengaging the tractor clutch.
(See illustration No. 4.)
5. If using the belt pulley, see that its clutch is disengaged. Belt should never be tight when trying to start engine. If convenient, belt should be removed.
(See illustrations No. 4 and No. 45.)
6. **IMPORTANT:** Do not engage tractor clutch before getting into seat.

TO START ENGINE

1. Turn the crank on the lubricator 50 to 100 times when starting the engine, to make sure that the crank shaft and the piston are getting sufficient oil.
(See illustration No. 3.)
2. Put some cylinder oil on the gland "A" of kerosene pump, disengage side rod "B" from pump arm "C" and pump by hand until the fuel reservoir is full.
(See illustration No. 5.)

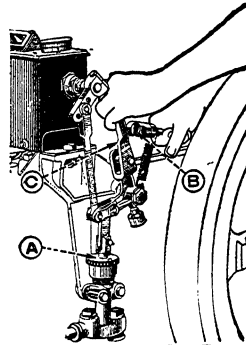


Illustration No. 5
— Fuel pump.

Oil the kerosene fuel pump plunger whenever tractor is left idle for a few days; this will prevent rusting. If necessary, polish the plunger with fine emery cloth.

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