

**Model "RC"
Tractor**
Operators Manual

5263





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.

KEEP THIS BOOK FOR FUTURE REFERENCE

CASE MANUAL

Instructions for
Operation and Care of the

CASE MODEL "RC" TRACTOR



TO CASE OWNERS —

The more thorough knowledge the owner has of his Tractor, the better will be the results, and the greater the profit from its use. It is the desire of the J.I. Case Co., that every Tractor should give the highest degree of service and every effort is made toward insuring this service in the design and manufacture of the Tractor. When it passes into the hands of the owner it passes largely beyond the control of the Company. This manual has been prepared with the purpose of giving the owner as much knowledge of the Tractor as possible. The owner and particularly the operator is urged to read and study this manual and to use good judgment in the use and care of his Tractor, and satisfactory service will follow.

J. I. CASE CO.
Racine - Wisconsin - U. S. A.

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SPECIAL SAFETY INSTRUCTIONS

1. **Do Not Operate New Tractor on Full Load.**
No fine piece of machinery should ever be loaded to full capacity until it has been run light for a reasonable length of time. **FOR FIRST 50 HOURS this tractor should be RUN AT HALF LOAD OR LESS BEFORE IT IS PUT ON FULL LOAD.**
2. Never get off or on tractor while it is in motion.
3. When the power take-off shaft is used, be absolutely sure that large guard furnished is in place. If an attempt is made to operate power take-off without guard, operator may be injured by his clothing being caught by the universal joint or the revolving shaft.

NOTE: IT IS EQUALLY IMPORTANT FOR THE SAFETY OF THE OPERATOR TO HAVE A SUITABLE GUARD ON THE DRIVEN MACHINE, WHICH WILL PREVENT HIS CLOTHING BEING CAUGHT BY THE REAR UNIVERSAL JOINT OR THE REVOLVING SHAFT.

NOTE: IF POWER TAKE-OFF OR OTHER POWER MACHINERY IS DELIVERED WITHOUT PROPER GUARDS, APPLY FOR SAME TO YOUR NEAREST CASE DEALER OR CASE BRANCH HOUSE.

4. When cranking an engine the handle of the crank should be pulled upward with the right hand so the operator's hand will be in a position to avoid being struck by the starting crank if there is a reversal of the direction of the engine from any cause whatsoever.
5. When starting any tractor do not engage the clutch quickly. Always engage 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.
6. When working on steep side hills, any tractor may tip over sideways, especially when the wheel on the lower side strikes a hollow, hole or ditch. The center of gravity on Case tractors is low and they are especially stable but when operating under unusual conditions they must be operated with reasonable care.
7. It is always advisable to reduce the speed of the tractor when turning.
8. When going up a steep hill or climbing out of a ditch or gully, any tractor is liable to raise its front wheels off of the ground, if the full power is suddenly applied or by quickly engaging the clutch. Under such conditions the momentum of the flywheel adds to the power of the engine, and to avoid possibility of danger under these conditions the operator should keep his hand on the clutch lever, (or foot on the clutch pedal if foot clutch is used) engaging the power of the engine slowly and be prepared at all times to disengage the clutch promptly should the front wheels raise off the ground. The same precautions must be taken if the tractor becomes mired down by being driven into a soft bog, a mud hole or ditch.
9. Any vehicle is liable to tip over when making a short turn at high speed. Tractors are designed to make short turns because it is necessary in doing their work, especially for row crop cultivation; such short turns should only be made at slow traveling speed with reduced throttle. Special precautions should be exercised when using the differential or rear wheel brakes for turning.

The above precautions are particularly true of General Purpose tractors, and especially with rear wheels set in the narrow position. It is obvious also that tractors can be tipped over more readily on hillsides or rough slanting ground.

A CAREFUL OPERATOR IS THE BEST INSURANCE AGAINST ACCIDENTS.

10. Read Instruction Book Carefully

The paragraphs of the following printed instructions are numbered in the order that the different operations should be done. Numbers on the illustrations correspond with the paragraph numbers and in many cases the parts referred to in the instructions are shaded or emphasized on the illustrations so that the directions can be easily followed.

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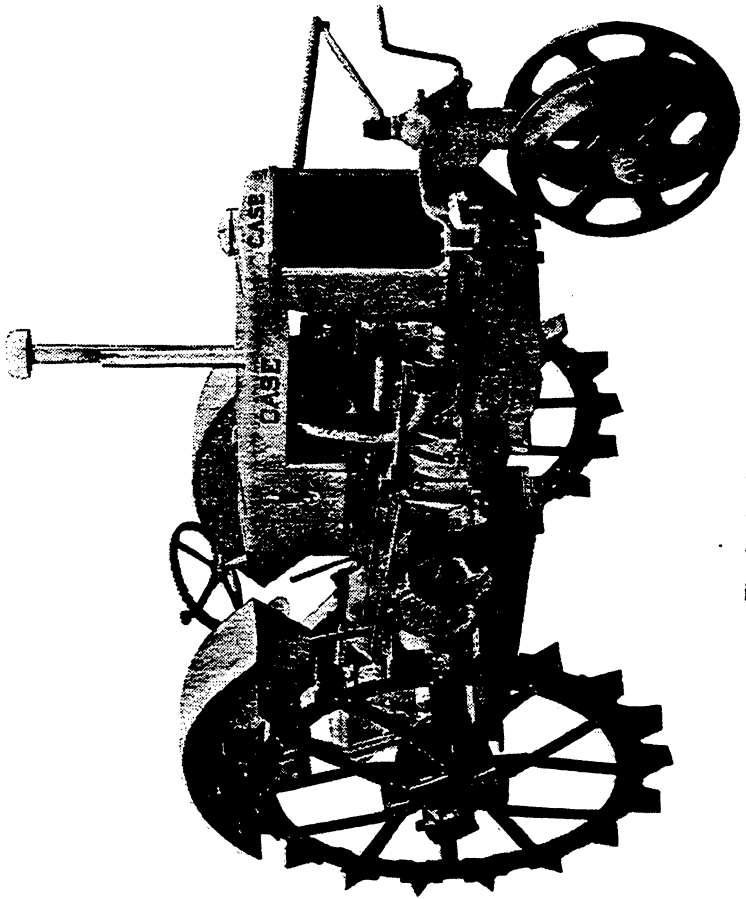


Fig. 1. Model 'RC' Tractor

OPERATION AND ADJUSTMENT OF YOUR MODEL "RC" CASE TRACTOR

Starting New Tractor

Lubricate the entire tractor according to instructions (see "Lubrication" page 9 and 10) before starting a new tractor.

Tractors are shipped from the factory without oil in the crankcase. Before a new engine is started in warm weather, seven quarts of a good grade of oil having a body of SAE No. 20 should be put in the crankcase. Before a new engine is started in cool weather, seven quarts of a good grade of oil having a body of SAE No. 10 should be put in the crankcase. In addition to this, for the running-in period add one pint of light oil to each five gallons of fuel for the first fifty hours. After the engine has been properly run in, discontinue the use of light oil in the fuel, but continue to use the light oil in the crankcase in cold weather. For further information on lubrication see the instructions on Page 8 and 9.

The practice of starting up an engine, for the purpose of unloading, or to run only a short distance, before any oil is put in crankcase, or when less than the correct amount of fresh oil of the right body has been added, or without filling the cooling system with water, results in damage to the engine. We will not be responsible for damage occurring when instructions in Case Tractor Manuals are not complied with.

Make sure that air vent in cap of fuel tank 2 Fig. 2 is open. Work the clutch lever to see that clutch does not stick and that pulley brake shoe does not bind on belt-pulley and that both engage properly when operated. For detailed instructions, see page 23.

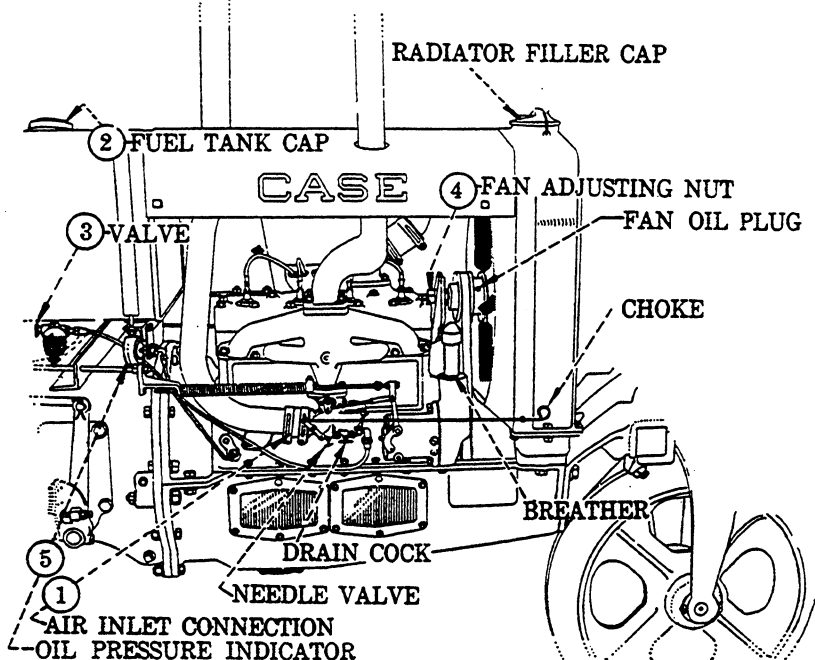


Fig. 2. R. H. Side of "RC" Tractor

Spark Plugs

Pour a small quantity of light oil into each cylinder through the spark plug holes and crank the engine enough to allow this oil to lubricate the cylinder walls.

Adjust the spark plug points by bending outer electrode to a gap of .030", which is slightly less than $\frac{1}{32}$ ", and put them in place using the copper asbestos gaskets furnished. Never attempt to bend the center electrode.

Cooling System

Fill the radiator with clean soft water (capacity $4\frac{1}{4}$ gallons). Do not run the engine for even one minute when unloading, or at any time, without putting the full quantity of water into the cooling system.

Fuel

Shut off the valve 3 Fig. 2 in the strainer under the gas tank, and fill the fuel tank with gasoline (capacity 15 gals.). Be sure to add one pint of light oil to each five gallons of fuel while the tractor is new.

Now open the drain cock at bottom of the carburetor and turn on the gasoline. Allow enough fuel to run through to clean out the fuel line and carburetor bowl, and close the drain cock.

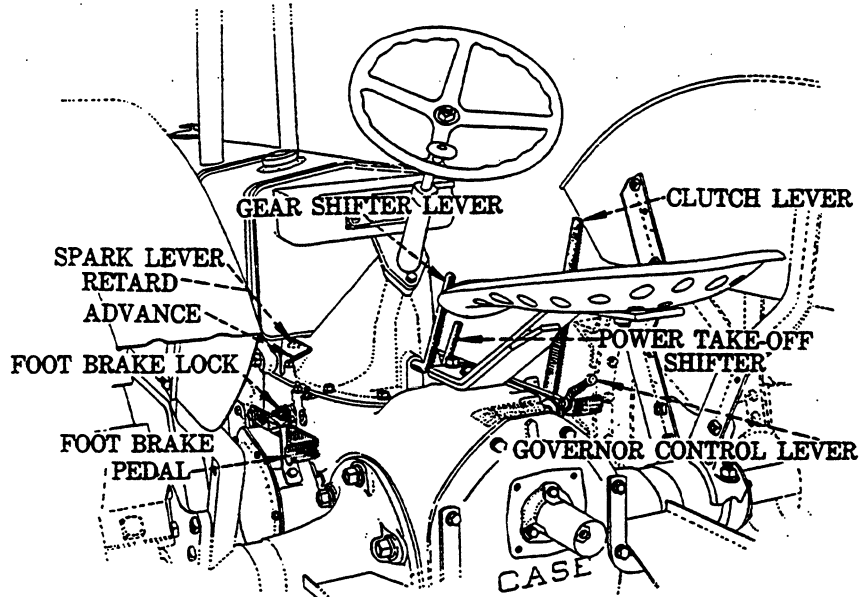


Fig. 3. Operating Controls

To Start Engine

- A. Open the carburetor needle valve $1\frac{1}{2}$ turns from closed position.
- B. Set governor control lever at about mid-position. Pulling back on the governor control lever opens the throttle and causes the engine to operate at higher speed.
- C. Set the spark lever in the full retard position or as far as it will turn to right which will ground the magneto. Next turn it slightly to left, which will free it from the grounding position.
- D. When starting be sure that the spark lever is not advanced any more than the slight amount necessary to free the magneto from the grounding position.

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