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MANUAL PREVIEW

J.I. Case

Operator's Manual

RC

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CA-O-RC

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 Machine, and satisfactory service will follow.

J. I. CASE CO.

Racine - Wisconsin - U.S.A.

Form 5263 5000

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8. 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.

9. Ordering Parts

When ordering parts be sure to give Serial Number and Model of Tractor, and name and number of Part ordered.

CONTENTS

	Fig.	Page
Air Cleaner.....	9-10	14-15
Air Vent Holes.....	2	5
Bevel Gears.....	16	23
Carburetor.....	8	12
Cranking Engine.....		2-7
Clutch.....	15	20-22
Cooling System.....		6-15-16
Cooling System—Winter Operation.....		16
Differential Brakes.....	19	26
Engine Adjustments.....	13	5-19
Fenders.....	23	30-31
Front Wheel.....	20-21	28
Gears, Shifting.....	3-4	6-7
Governor.....	11-13	16-17-19
Ignition.....		17
Lubrication.....	5-6	5-8-9-10-11
Power Take-Off.....	22	29-30
Rear Axle.....	17	24
Repair Parts.....		34
Rubber Tires.....		31
Service Suggestions.....		32-33
Spark Plug.....	12	6-18
Special Safety Instructions.....		2-3
Starting New Tractor.....		5-6-7
Steering Gear.....	20	27
Tractor Splitting.....	15	22
Transmission Shafts and Bearings.....		24
Valve Adjustments.....	13	19

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Fig. 1. Model "RC" Tractor

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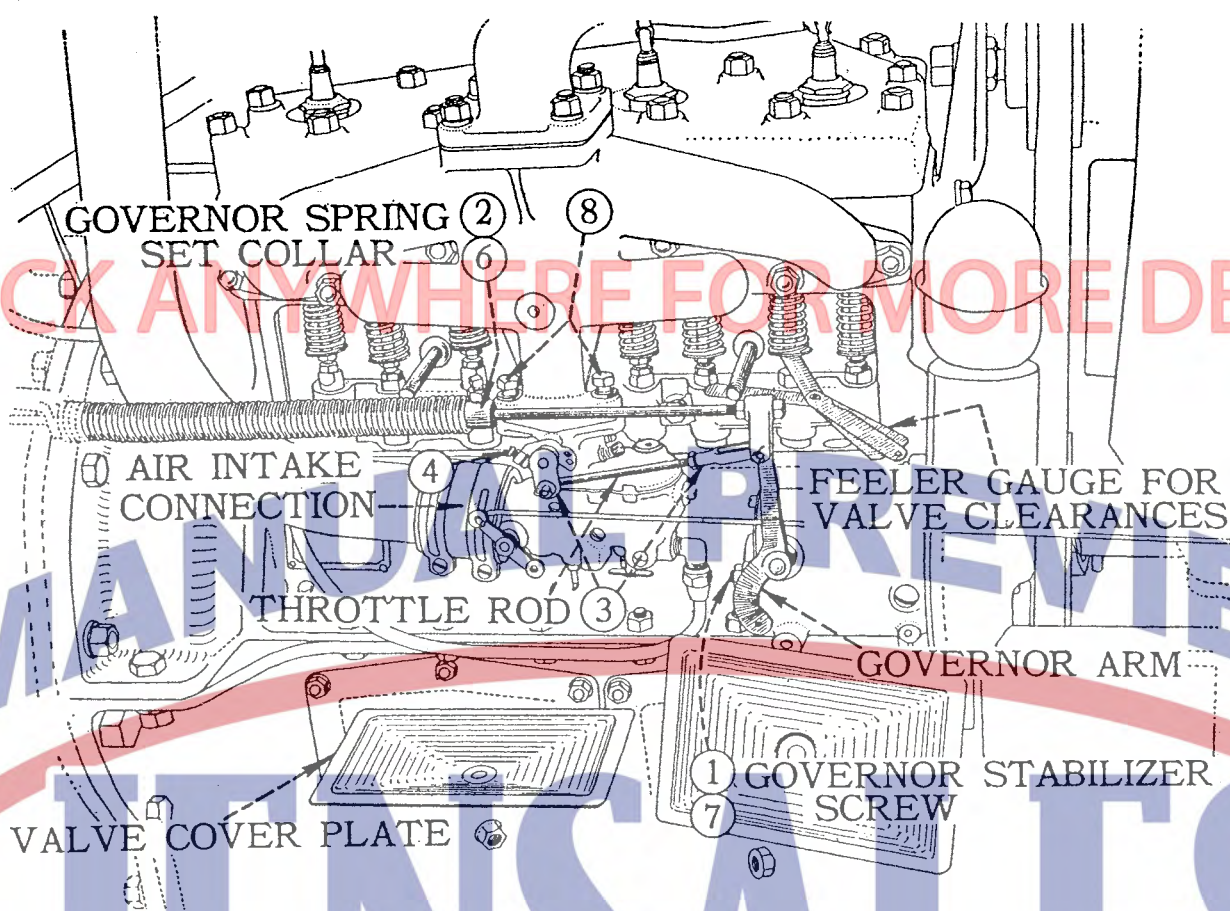


Fig. 13. Engine Adjustments

ENGINE ADJUSTMENTS

Valves

To secure the best power and economy, and to avoid missing and overheating, the valves should always seat fully and hold a charge. The proper valve clearance can be determined by loosening carburetor flange bolts 8, Fig. 13, then removing valve cover plates, and using a feeler gauge to find the correct valve setting. If the valves have the proper clearance setting and do not hold the charge it will be necessary to remove the valves for inspection, and possibly grinding or replacing. It is necessary to remove the cylinder head to take the valves out and if care is used, injury to the cylinder head gasket will be avoided, and a new gasket will not be required. The head can generally be loosened by cranking the engine after the hold down nuts have been removed if plugs are not removed. Upon removing each valve, clean it thoroughly and remove all carbon and burned oil. Carefully inspect the valves and valve seats for deep pits or shoulders that must be machined off before grinding begins, if this is necessary.

After the necessary grinding operation has been accomplished and all grinding compound thoroughly cleaned off and valves are to be reset in the engine, be sure that all are set to the proper clearance, which is .006" for intake and .008" for exhaust.

Connecting Rods

A loose connecting rod bearing may be located by running the engine slowly and short circuiting each spark plug in turn. If any connecting rod is loose the knock will disappear when that particular cylinder is cut out. Whenever a knock develops in your engine determine the cause immediately and fix it before serious damage results. Connecting rod bearings should have a side clearance of .004 to .007. When fitting a new bearing this clearance should be maintained if the best results are to be obtained.

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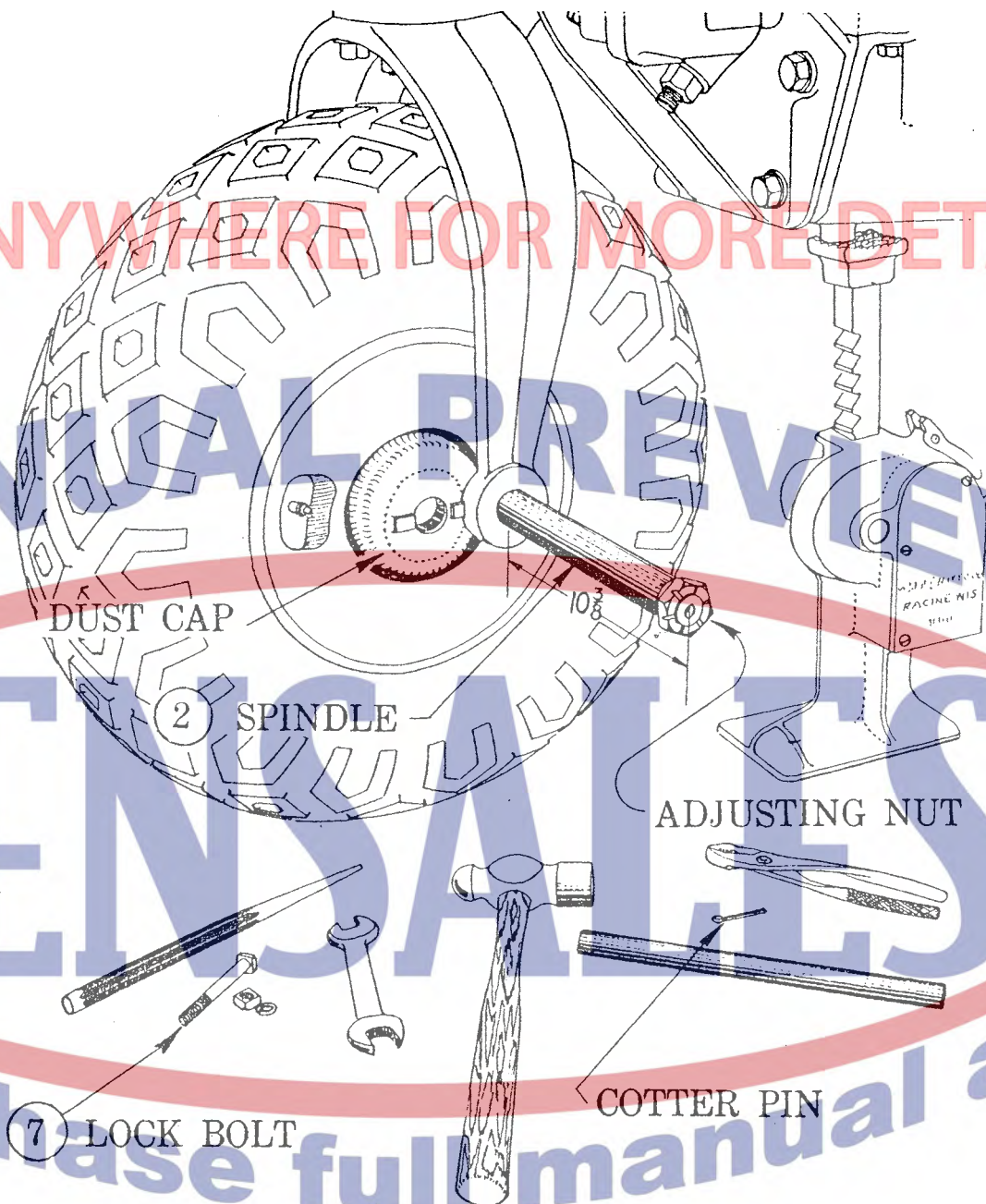


Fig. 21. Removing Front Wheel

FRONT WHEEL

To Adjust Front Wheel Bearings

Jack up front of tractor until weight is removed from front wheel. Remove cotter pin and tighten nut shown at 1, Fig. 20 until the bearing play is taken up and front wheel turns freely. When the desired results have been accomplished, replace cotter pin which holds nut in place.

To Remove Front Wheel

Jack up front of tractor until weight is removed from front wheel. Remove cotter pin and loosen nut shown at 1, Fig. 20, then remove bolt shown at 7, Fig. 20-21. Spindle 2, Fig. 21 can then be pulled or driven out and front wheel removed by rolling out forward out of fork. Figure 21 illustrates this operation.

To Replace Front Wheel

Be sure that lugs on dust caps on each side of wheel hub are lined up with slots in front wheel fork. Roll wheel into the fork and replace spindle and lock bolt. After replacing wheel be sure to adjust wheel bearings properly.

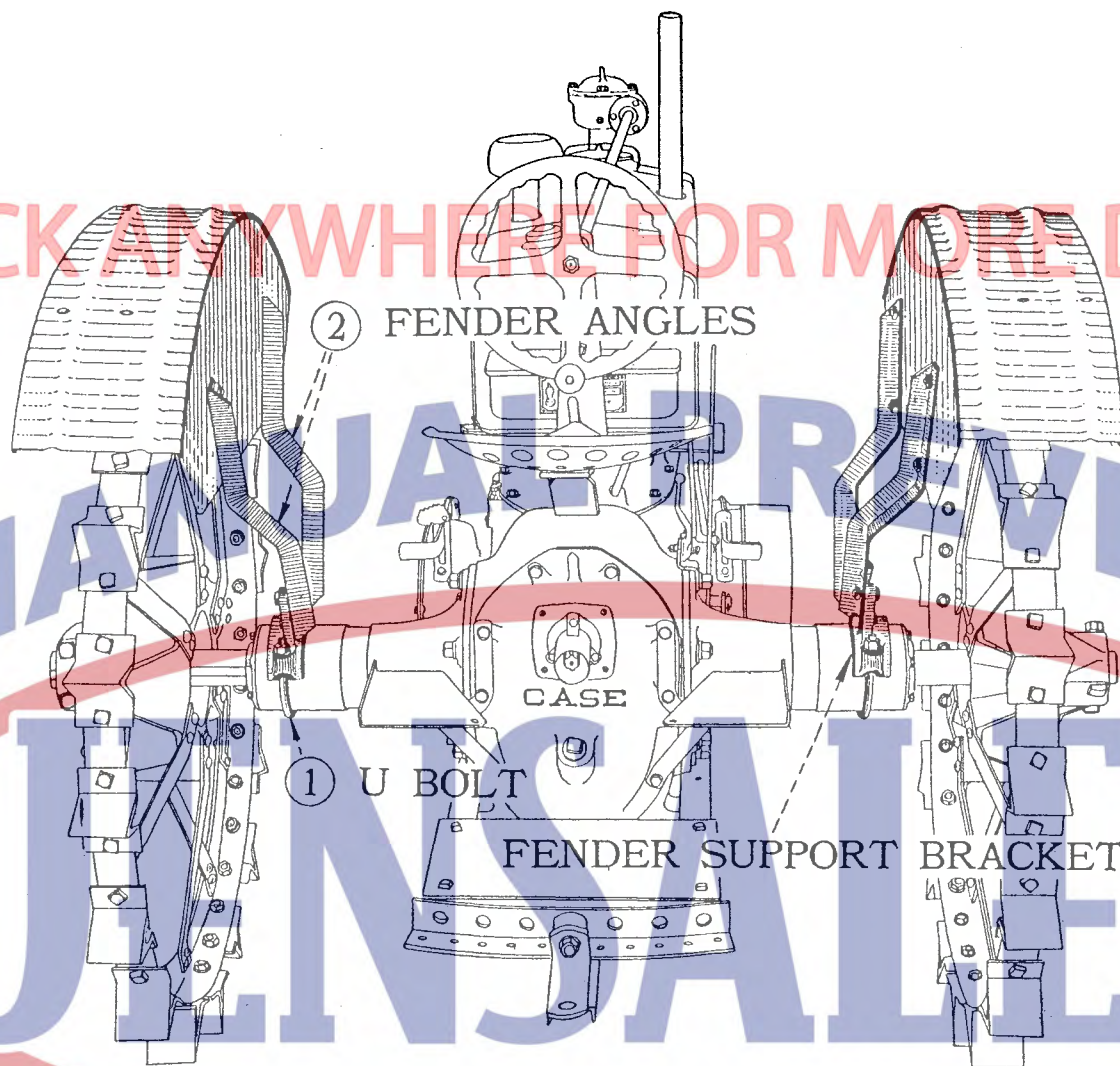


Fig. 23. Rear Wheel Fenders

RUBBER TIRES

Tire equipment has been designed for this tractor and can be secured thru your nearest Case dealer. The correct pressure to be used on this equipment is 28 pounds in front and 12 pounds in rear tires.

When it is necessary to remove front wheel, see Fig. 21, for the correct manner of proceeding with this operation. This front wheel is made up of two halves therefore, to change tire remove nuts from studs holding the two halves together and put tire in place.

NOTE: When operating a pneumatic tire equipped tractor in narrow position, and tractor going at a high rate of speed, or one wheel in the furrow when plowing, caution must be used when applying differential brakes, or tractor may turn over.

Safety First

When operating a fully rubber tire equipped tractor either on the belt or in the field, a chain should be fastened to drawbar or other suitable place on tractor and sufficiently long for other end to touch the ground. By the use of such a chain all danger of static electricity will be overcome. If tractor is operated without some proper ground there is danger of fire being started from the static discharge.