

**350 Series
Tractor**
Operators Manual

9-281

Reprinted





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.

NOTICE!

At the time your Case Dealer delivers your new tractor, he will acquaint you with its operation and maintenance as outlined in the "Dealer's Delivery Service Report". When your Dealer has completed these instructions, he will ask you to sign the report and will then hand you the yellow copy for your records.

NOTE: The "Dealer's Delivery Service Report" also contains a record of the Pre-Delivery Checkup which your Dealer made on your tractor.

AFTER DELIVERY CHECKUP

The Authorized Case Dealer from whom you purchased your new tractor will perform the "After Delivery Checkup" outlined on the following page, if you will arrange to bring your tractor to his Service Shop within - - -

60 days after date of delivery or 200 hours of operation (whichever occurs first).

NOTE: The only charge your dealer will make for this inspection will be for oil, filters or other accessories.

AFTER DELIVERY CHECKUP (Spark Ignition Tractors)

| | |
|---------------------------------------|--------------------------|
| (Owner's Name) | (Date Checkup Performed) |
| (Owner's Address) | |
| (Dealership) | (Town) |
| Tractor has been operated _____ hours | |
| (Tractor Model and Serial Number) | |

- | | |
|---|---|
| <input type="checkbox"/> Check foot clutch. <input type="checkbox"/> Check hand clutch (if used). <input type="checkbox"/> Check brakes. <input type="checkbox"/> Operate Eagle Hitch hydraulic system and check oil level in torque tube. <input type="checkbox"/> Check tire pressure. <input type="checkbox"/> Tighten cylinder head and adjust tappets. <input type="checkbox"/> Check power steering (if used). <input type="checkbox"/> Check fluid level in steering reservoir. <input type="checkbox"/> Check distributor timing (magneto - if so equipped). <input type="checkbox"/> Check spark plugs and distributor point gap. | <input type="checkbox"/> Check full governed no load engine speed. <input type="checkbox"/> Tighten all bolts (including rims). <input type="checkbox"/> Cooling system. <input type="checkbox"/> Crankcase oil (Change oil and filter if necessary). <input type="checkbox"/> Oil level in transmission and torque tube. <input type="checkbox"/> Lubricate all pressure fittings and oil cups. <input type="checkbox"/> Check air cleaner. <input type="checkbox"/> Check steering, bearing adjustment and front wheel toe-in. <input type="checkbox"/> Battery, starter, generator and lights. <input type="checkbox"/> Check operation of all instruments. |
|---|---|

DEALER: Question purchaser carefully concerning his experience with tractor and answer any questions concerning maintenance or operation that are not clear to him.

Checkup.....
Performed by

Signed.....
Dealer

Original—Dealer
Duplicate—Leave in Operators Manual
 for Purchaser

Signed.....
Customer

AFTER DELIVERY CHECKUP (Spark Ignition Tractors)

| | |
|-------------------------------------|--------------------------|
| (Owner's Name) | (Date Checkup Performed) |
| (Owner's Address) | |
| (Dealership) | (Town) |
| Tractor has been operated.....hours | |
| (Tractor Model and Serial Number) | |

- | | |
|---|---|
| <input type="checkbox"/> Check foot clutch. <input type="checkbox"/> Check hand clutch (if used). <input type="checkbox"/> Check brakes. <input type="checkbox"/> Operate Eagle Hitch hydraulic system and check oil level in torque tube. <input type="checkbox"/> Check tire pressure. <input type="checkbox"/> Tighten cylinder head and adjust tappets. <input type="checkbox"/> Check power steering (if used). <input type="checkbox"/> Check fluid level in steering reservoir. <input type="checkbox"/> Check distributor timing (magneto - if so equipped). <input type="checkbox"/> Check spark plugs and distributor point gap. | <input type="checkbox"/> Check full governed no load engine speed. <input type="checkbox"/> Tighten all bolts (including rims). <input type="checkbox"/> Cooling system. <input type="checkbox"/> Crankcase oil (Change oil and filter if necessary). <input type="checkbox"/> Oil level in transmission and torque tube. <input type="checkbox"/> Lubricate all pressure fittings and oil cups. <input type="checkbox"/> Check air cleaner. <input type="checkbox"/> Check steering, bearing adjustment and front wheel toe-in. <input type="checkbox"/> Battery, starter, generator and lights. <input type="checkbox"/> Check operation of all instruments. |
|---|---|

DEALER: Question purchaser carefully concerning his experience with tractor and answer any questions concerning maintenance or operation that are not clear to him.

Checkup.....
Performed by

Signed.....
Dealer

Original—Dealer
Duplicate—Leave in Operators Manual
for Purchaser

Signed.....
Customer

TO PURCHASERS OF CASE TRACTORS

Congratulations on your purchase of a Case Tractor and welcome to the ever-increasing number of satisfied Case Owners.

The dependability and economical performance of your new Case Tractor will prove that you were wise in making this choice.

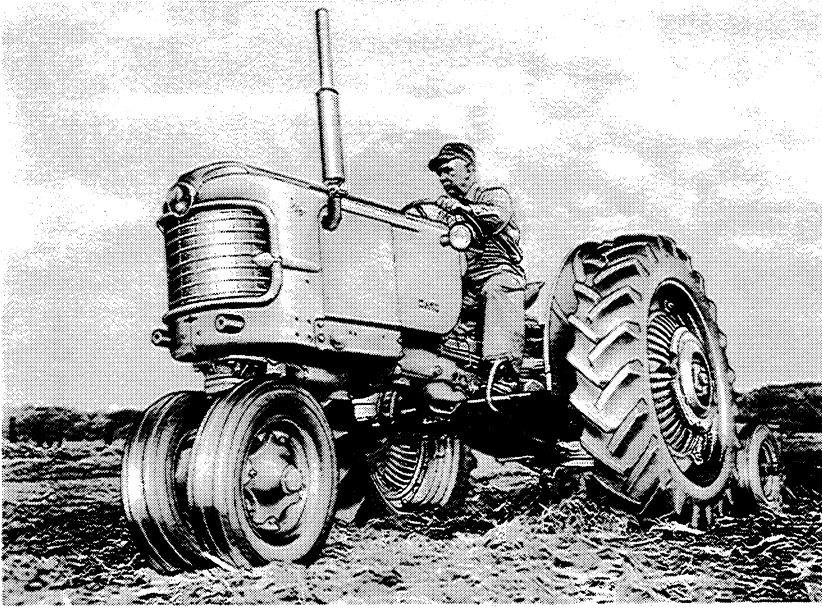
The organization back of your tractor has been building quality equipment for more than a century. Your Case Tractor was built in one of the largest and best equipped plants in the world. In this factory quality materials, precision machinery, high grade workmanship, thorough inspection, and complete testing equipment are combined to give you the best in performance and economical operation.

The care which you give your tractor will have a great deal to do with the service and satisfaction you get from it. By observing the precautions and suggestions in this manual, your Case Tractor will serve you well for many years. Make this manual your guide. Should you need information not covered here, or should your tractor require special servicing, contact your Case Dealer. He has trained men who are kept informed on the best methods of servicing CASE Equipment in the field or in his shop.

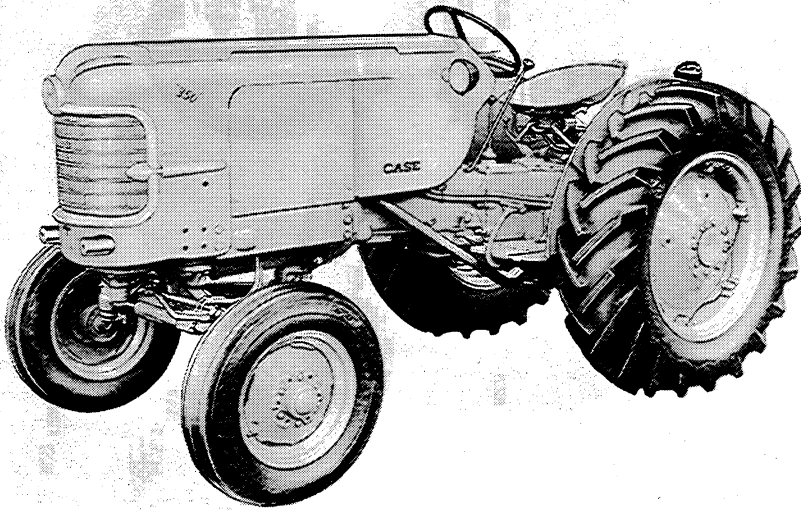
When it becomes necessary, after long use, to replace certain parts on your tractor, be sure to use only genuine Case Parts, insuring proper fit and continued good service. These may be obtained from your Case Dealer. It is always helpful to provide him with the Model and Serial Number of your tractor in addition to a description and part number, if available, of the parts required.

TABLE OF CONTENTS

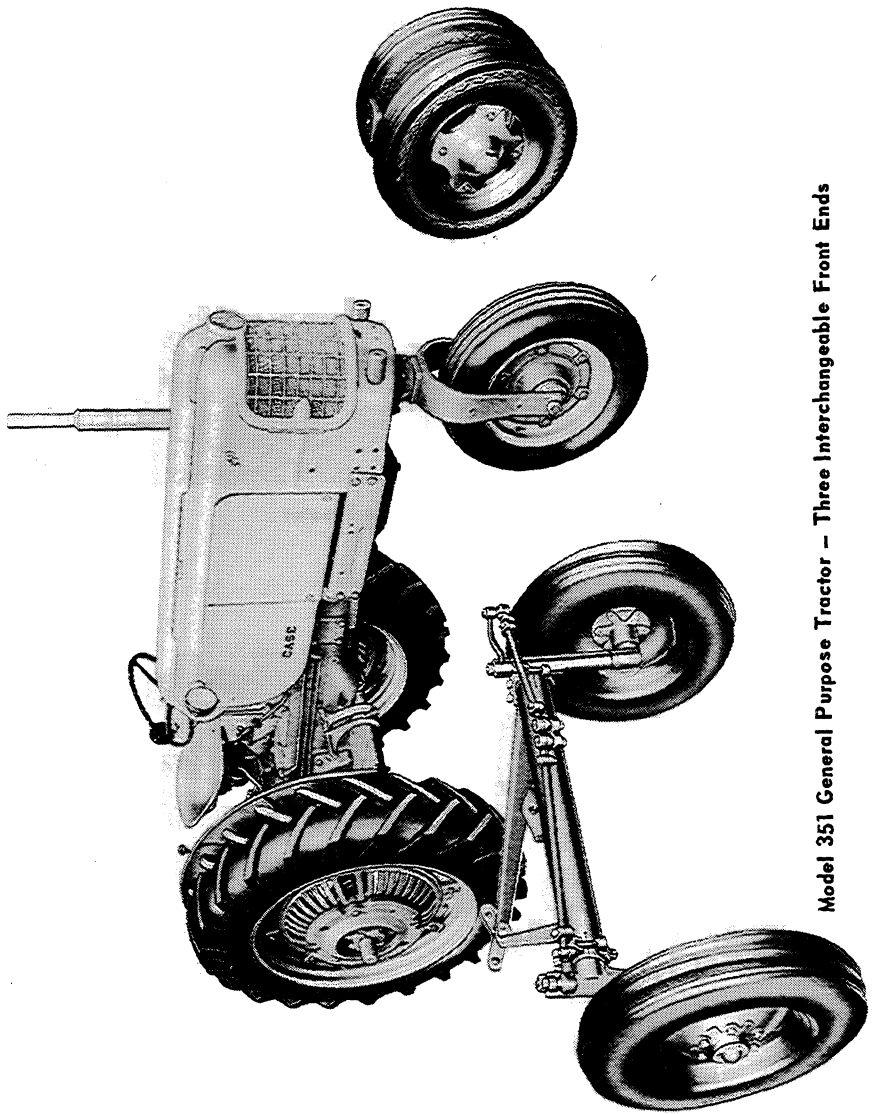
| | PAGE |
|--|----------|
| Serial Numbers | 6 |
| General Specifications | 7-12 |
| Lubrication | 13-28 |
| Pressure Fittings | 16-17 |
| Engine Lubrication | 17-21 |
| Transmission Lubrication | 23 |
| Steering Gear | 23 |
| Hydraulic System..... | 25-27 |
| Operating Instructions | 29-78 |
| Pre-Starting Check List | 30 |
| Operating Controls & Instruments | 32-33 |
| Run-In Procedure..... | 35 |
| Engine Starting Procedure | 37 |
| Stopping Engine..... | 37 |
| Tripl-Range Transmission | 38-39 |
| Shuttle Transmission | 40 |
| Power Steering..... | 41 |
| Constant-Running P.T.O. | 42-43 |
| Differential Brakes | 46 |
| Rear Wheel Spacing | 48-50 |
| Front Wheel Spacing..... | 52-54 |
| Eagle Hitch & Hydraulic System..... | 55-64 |
| Remote (Portable) Cylinder Attachment..... | 62-63 |
| Drawbar..... | 65 |
| Belt Pulley..... | 69-72 |
| Cold Weather Operation | 73-74 |
| Fuel Storage..... | 75 |
| Important Checks During Operation | 76-77 |
| Accessory Tractor Equipment | 66-72 |
| Service Suggestions | 79-85 |
| Preventive Maintenance | 87-115 |
| Sheet Metal Removal..... | 88-89 |
| Cooling System | 90-94 |
| Fuel and Fuel System..... | 96-99 |
| Governor and Engine Speed | 99 |
| Valve Adjustment | 100 |
| Ignition and Electrical Equipment | 102-111 |
| Front Wheel Bearings | 112-113 |
| Differential Brakes | 114 |
| Flywheel Clutch | 115 |
| Tractor Storage | 116-117 |
| Index | 118, 119 |
| Warranty | 121 |



Model 351 – General Purpose Tractor



Model 350 – Utility Tractor



Model 351 General Purpose Tractor - Three Interchangeable Front Ends

INTRODUCTION

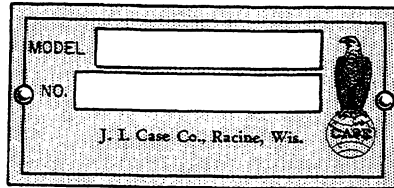
Here's just a few outstanding features of the Case "350" Series Tractor;

1. **"POWR-TORQ" ENGINE.** A high-compression, heavy-duty power plant with an extremely high torque. What's more it operates on regular grade gasoline. L.P. Gas engines are also available as optional equipment.
2. **HEAVY-DUTY CLUTCH.** New clutch design with 50% more "torque-carrying" capacity. Smooth, long-life operation.
3. **SPEED CONTROL.** "All-Speed" friction type hand throttle with finger tip, finger-ease control.
4. **CAM AND LEVER STEERING.** Smooth-as-silk, shockproof steering for accurate, instant control of front wheels. Power steering attachment available for Model 350 utility tractors.
5. **DIFFERENTIAL BRAKES.** High-capacity 6-inch double-disk, velvet touch, brakes. Simple to adjust, a breeze to service. A "Lock-A-Matic" parking latch releases automatically when brakes are reapplied.
6. **TWELVE-SPEED "TRIPL-RANGE" TRANSMISSION (Optional).** This remarkable power train provides forward speeds from 1.6 to 20.6 m.p.h. and reverse speeds from 1.9 to 5.1 m.p.h. (see page 11).
7. **CONSTANT-RUNNING POWER TAKE-OFF (Optional).** This is a "straight-line" power shaft from engine to rear shifter fork. In use, it allows the rear wheels to be stopped, while the P.T.O. shaft rotation remains at a normal 530 rpm.
8. **SHUTTLE TRANSMISSION (Extra).** Provides (8) speeds forward and (8) speeds in reverse. Provides faster working cycles when using a front end loader since reverse speeds are 25% faster than forward, in any gear.
9. **EAGLE-HITCH.** Improved, enclosed, streamlined assembly with quick, simple implement attaching points. Handier than ever, more compact, more lifting power, greater ease of operation. And for your safety a built-in "hydraulic interlock" to prevent accidental "dropping" of mounted tools. Double control and remote cylinder system can easily be attached at any time.
10. **INSTRUMENT PANEL.** Automotive type cluster "Tel Easy" dial (indirectly lighted). Provides instant engine operational data. The members of this "panel" have all the answers.
11. **KEY STARTING.** Combination ignition switch and removeable starting key.
12. **CHOICE OF MODELS.** A high clearance model for row-crop operation, available with dual, single or adjustable front wheels. A low-silhouette utility model with a solid front axle.

TRACTOR SERIAL NUMBERS

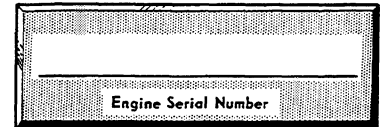
When ordering parts from your Authorized Case Dealer, always specify the Serial Number and Model of your Tractor.

As a means of ready reference fill in the serial numbers along with the model number of your tractor, in the spaces provided here.



A rectangular form with two horizontal input fields. The top field is labeled "MODEL" and the bottom field is labeled "NO.". Below the fields, it reads "J. I. Case Co., Racine, Wis." and features a small logo of a bird perched on a globe.

When ordering Tractor Parts, specify the Tractor Model and Serial Number, located on the tractor "dash."



A simple rectangular form with a single horizontal input field. Below the field, it is labeled "Engine Serial Number".

Use the Engine Serial Number, stamped on the right side of the engine block, when ordering Engine Parts.

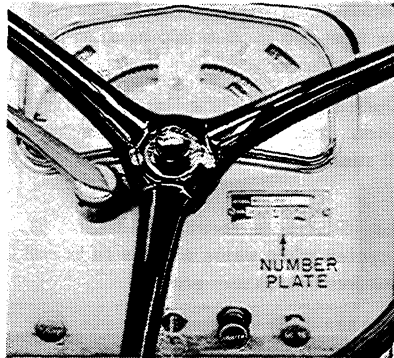


Fig. 1. Tractor Number

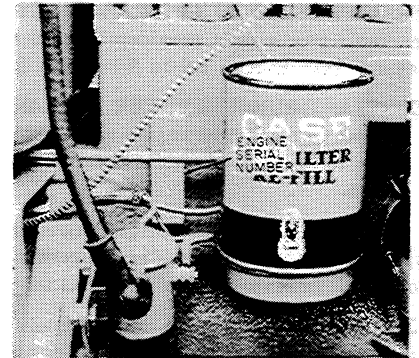
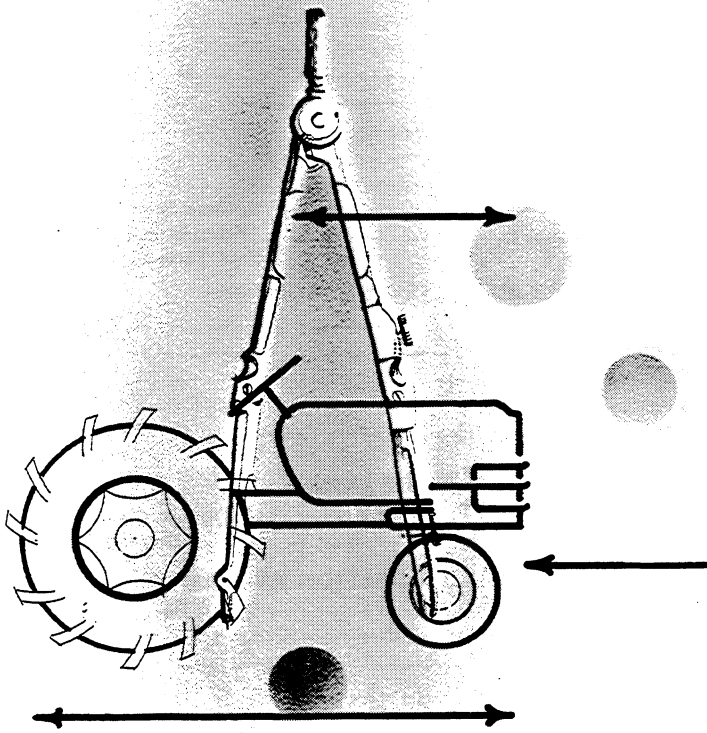


Fig. 2. Engine Number

The information compiled in this manual covers the operation and preventive maintenance on the Case "350" Series Tractor. It is our hope that this manual will help you to understand the correct care and use of this tractor.

If you should require additional information or services of a trained mechanic, be sure to see your authorized CASE DEALER.

NOTE: The terms "Right Hand" and "Left Hand" whenever used in this manual apply to the tractor when facing in the direction the tractor will move in forward operation.



GENERAL SPECIFICATIONS

Buy Now



Our support email:

ebooklibonline@outlook.com