

500 Diesel Tractor

Operators Manual

5662

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.

TO PURCHASERS OF CASE DIESEL TRACTORS

Congratulations on your purchase of a Case Diesel 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 farm equipment for more than a century. Your Case Diesel 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 Farming 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, which insure 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.

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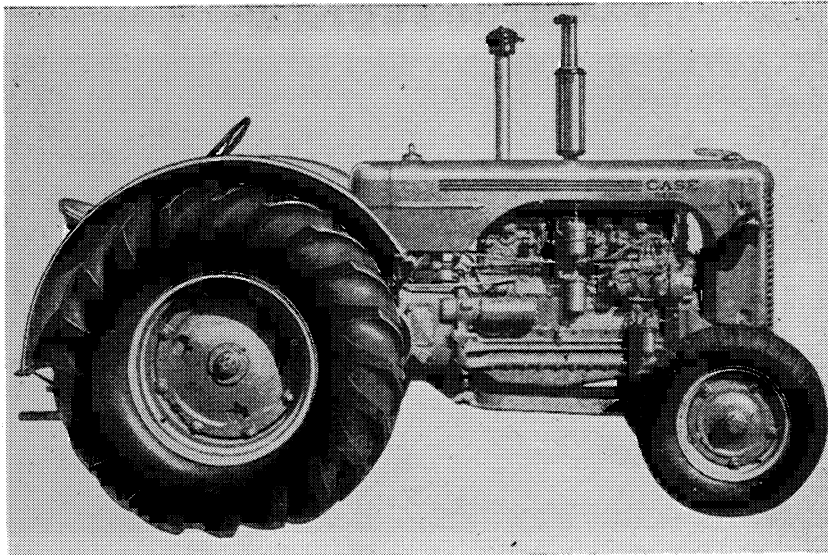


Figure 1. Model 500 Diesel Tractor Right Hand Side Showing Fuel Filters and Fuel Injection System

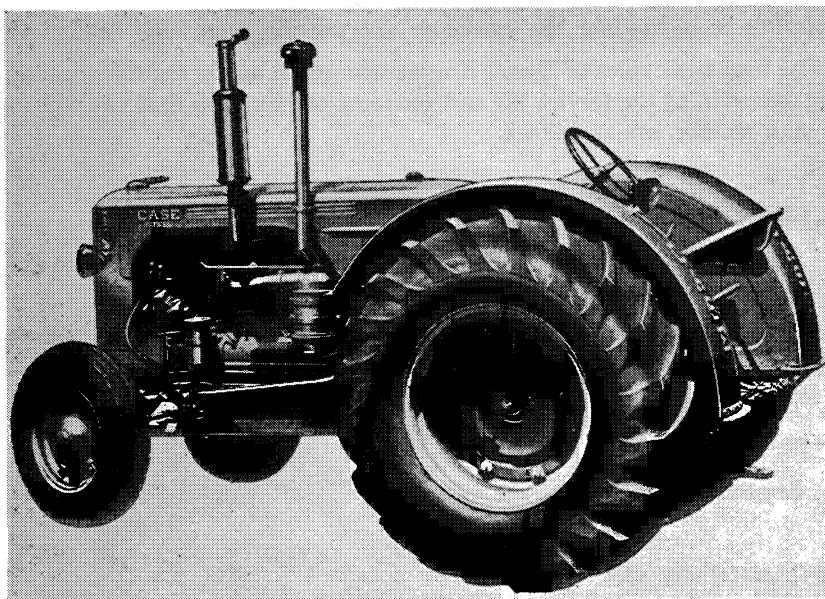


Figure 2. Model 500 Diesel Tractor Left Hand Side Showing Power Steering

INTRODUCTION



The Case Model 500 Diesel Tractor is powered by a rugged six cylinder full diesel engine that is noted for its quiet operating characteristics and economy of operation.

Advanced engineering includes the **CASE POWRCEL** combustion system which produces all of the available power out of each charge of injected fuel. To protect the closely fitted precision parts, the finest filters available have been provided to clean the fuel, the intake air and the crankcase oil.

The four basic rules of Diesel Engine operation, which are the deciding factors in determining the service life and economy of operation that you will receive from your tractor, are as follows:

1. CLEAN FUEL

- (a) Use only Number 2 Diesel Fuel that meets the specifications listed in this manual.
- (b) Follow the instructions regarding the recommended precautions when handling and storing fuel.

2. AIR CLEANER

Service the air cleaner regularly.

3. CRANKCASE OIL

Diesel Engines require the use of a heavy duty engine oil. Select oil that meets the proper service designations recommended in the lubrication section of this manual.

4. PERIODIC CHECKUPS

Your authorized Case Dealer has the service knowledge necessary to keep your tractor in top running condition.

Arrange to have him check your tractor at regular intervals.

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

SERIAL NUMBER

When ordering parts from your Authorized Case Dealer and in all contacts or correspondence with your dealer relative to the tractor, always specify the Serial Number and Model of your tractor.



Figure 3

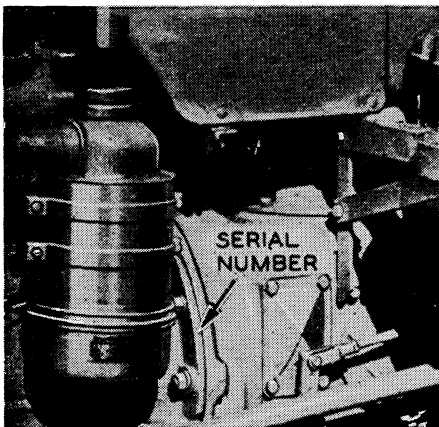


Figure 4

The serial number is stamped on the number plate located on the instrument panel Figure 3, and on the left rear side of the engine block near the air cleaner, Figure 4.

For reference, fill in the Serial number of your Model 500 Diesel Tractor in the space provided here.

Serial No......

PREVENT ACCIDENTS

When operating tractors, self-propelled farm machines, or when trailing a farm machine or implement over a public thoroughfare after dark — —

- 1. Be sure the unit is equipped with headlights and that they are adjusted for highway use.**
- 2. Place suitable red lights and reflectors on the rear and sides of the unit so that its outline is well defined.**
- 3. COMPLY WITH YOUR STATE AND LOCAL LAWS GOVERNING LIGHTING REGULATIONS AND MAXIMUM WIDTH REGULATIONS.**

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