

"D" Tractor

Operators Manual

9-271

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.

To the Purchaser of a Case Tractor,

The care you give your new Case tractor will greatly determine the satisfaction and service life you will obtain from it. Use this manual as your guide. By observing the instructions and suggestions in this manual, your Case tractor will serve you well for many years.

As an Authorized Case Dealer, we stock Genuine Case Parts, which are manufactured with the same precision and skill as the original equipment. Our factory trained staff is kept well informed on the best methods of servicing Case equipment and is ready and able to help you.

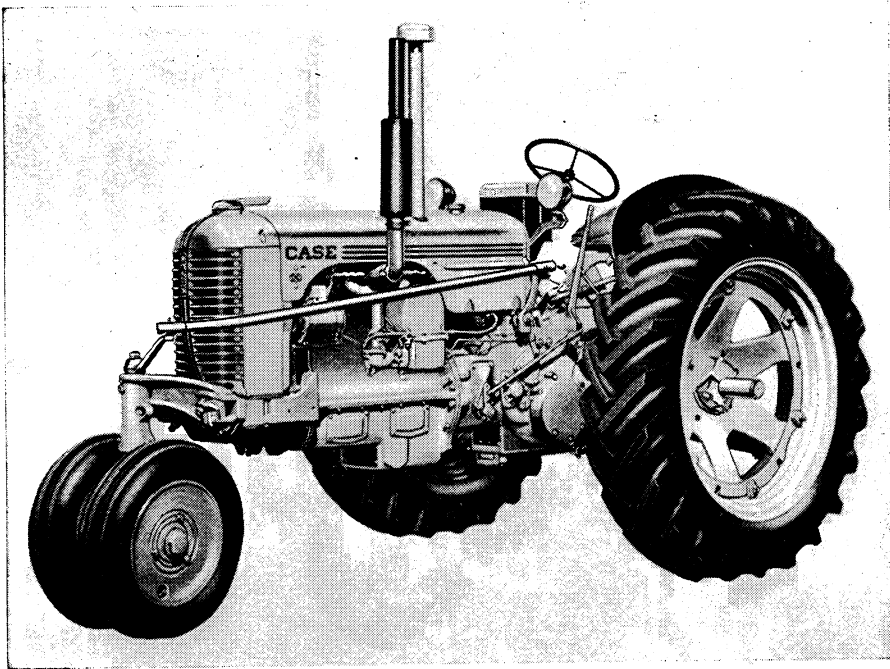
Should you require additional aid or information, contact us.

Your Authorized Case Dealer

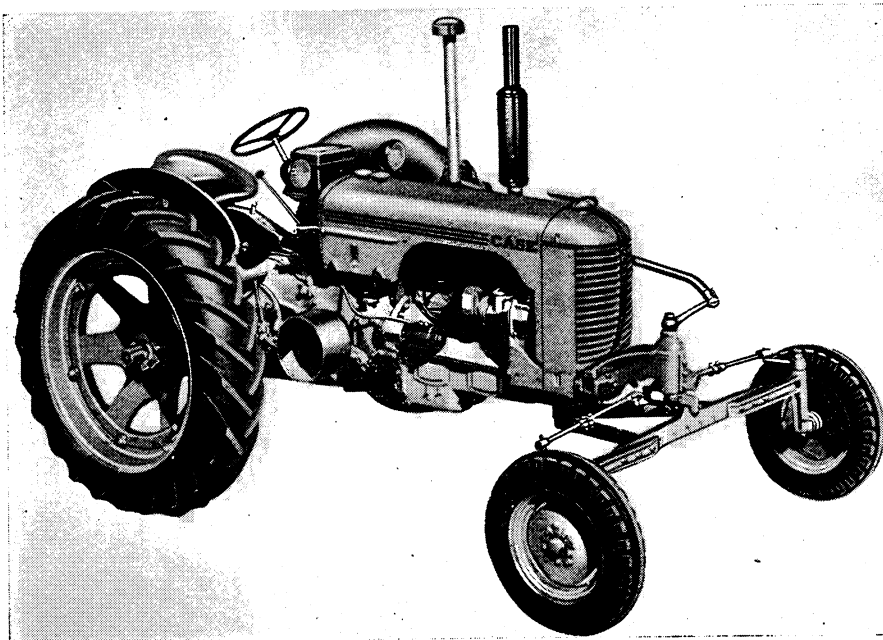
To insure efficient and prompt service, please furnish us with the Model and Serial Number of your tractor in all correspondence or contacts.

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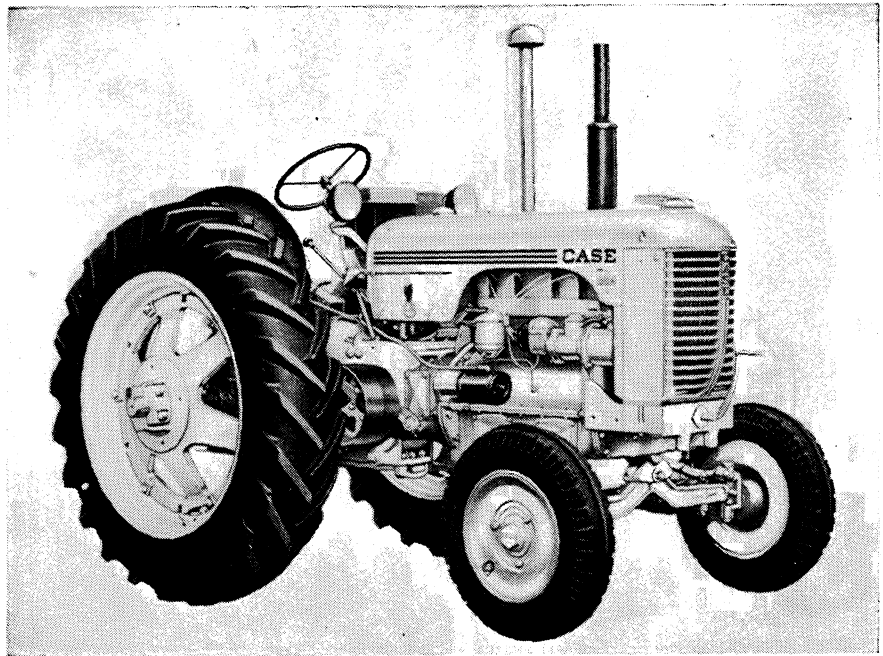
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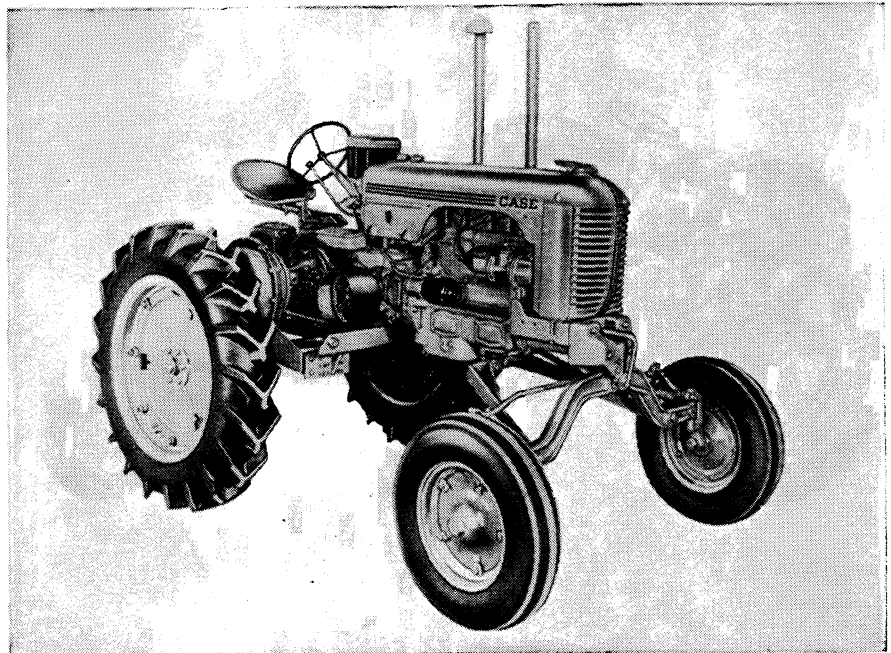
Model DC-3 General Purpose Tractor



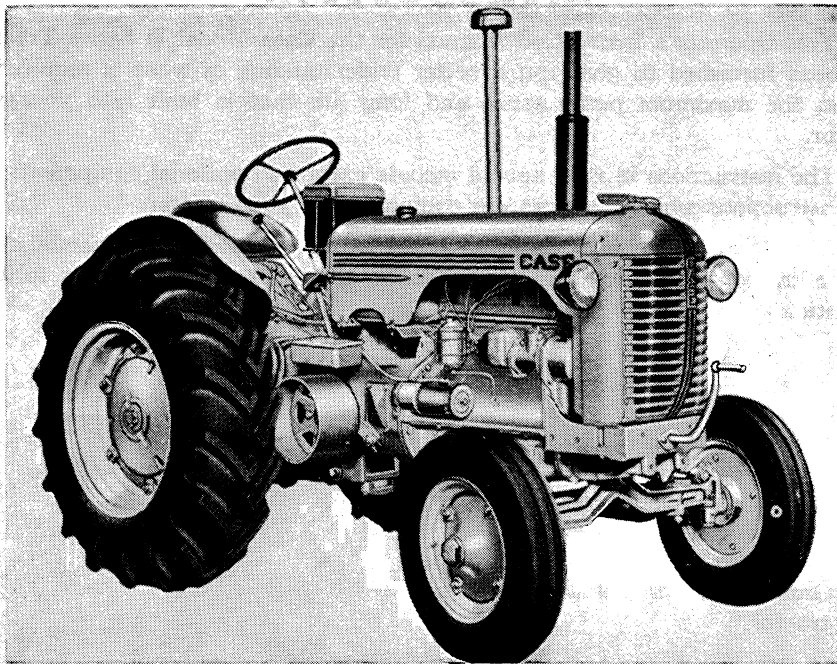
Model DC-3 General Purpose Tractor
(With Adjustable Front Axle)



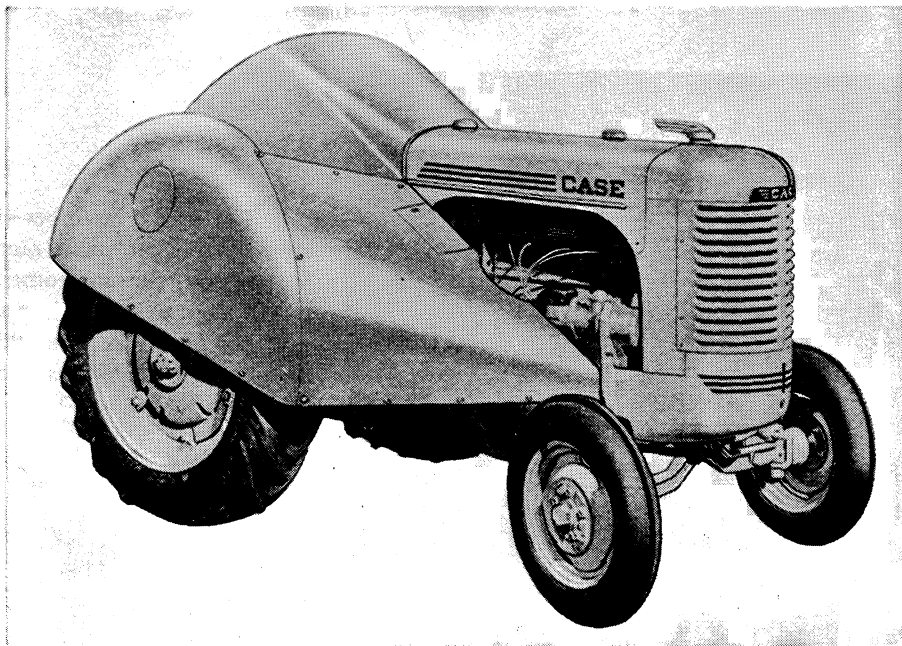
Model DC-4 Tractor



Model DS Cane Tractor



Model D Tractor



Model DO Orchard-Grove Tractor

INTRODUCTION

This Operator's Instruction Manual for the Case Model D Series Tractors has been furnished to give you a better understanding of what is required to obtain the maximum performance and long life that is built into your new tractor.

The instructions in this manual include extra and optional equipment. Use the instructions which apply to the equipment on your tractor.

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, always specify the serial number and model of your tractor.

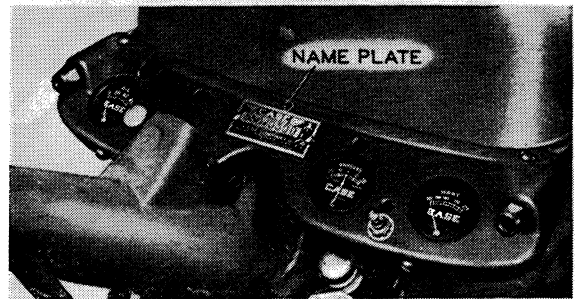


Figure 1.

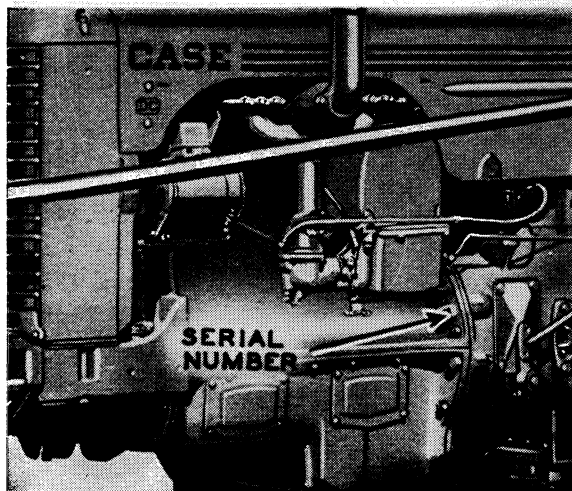


Figure 2.

The serial number is stamped on the name-plate located on the instrument panel, Figure 1, and is also stamped on the left rear side of the engine block near the air cleaner, Figure 2.

Model..... *Serial No.*.....

GENERAL SPECIFICATIONS OF CASE MODEL D SERIES TRACTORS

Engine

Type.....	Valve-in-head
Number of Cylinders.....	4
Firing Order.....	1-3-4-2
Engine Speed at No Load.....	1390 RPM
Engine Speed at Full Load.....	1200 RPM
Engine Idling Speed.....	500 RPM
Cylinder Bore.....	3 $\frac{7}{8}$ Inches
Cylinder Stroke.....	5 $\frac{1}{2}$ Inches
Cylinder Sleeve.....	Removable Wet Type
Connecting Rods	
Type Connecting Rod Bearings.....	Spun Babbitt
Adjustable.....	Yes
Main Bearings	
Type Bearings.....	Bronze Backed Spun Babbitt
Adjustable.....	Yes
Valves	
Valve Tappet Clearance.....	.018 Inch—Valve Closed Engine Cold
Spark Plug.....	Champion 15A—AC85S Commercial or Equivalent Thread 18 mm—Gap .025 Inch Shank Length— $\frac{1}{2}$ Inch
Fuel System.....	Gravity Flow Type
Carburetor.....	1 $\frac{1}{4}$ Inch SAE Flange
Carburetor Float Level	
From Top of Bowl.....	29/32 Inch
Carburetor Load Jet.....	Adjustable
Magneto.....	Case Model 41
Magneto Point Gap.....	.008 to .012 Inch
Air Cleaner.....	Case Oil Bath Type With Replaceable Filter Pads
Governor.....	Case Flyweight Type Variable Speed
Oil Pump.....	Gear Type Floating Oil Screen Inlet Non-adjustable Relief Valve

Cooling System

Temperature Control for Gasoline and LP Gas.....Thermostat
Starts to Open Between 175°—180° F.
Fully Open 200° F.
Radiator Shutters Available as Extra Equipment

Temperature Control for Low Cost Fuel.....Thermostat
Starts to Open Between 175°—180° F.
Fully Open 200° F.
Radiator Shutters Standard Equipment

Type of System.....Forced Circulation (Pump)

Type of Water Pump.....Impeller

Radiator.....Heavy Duty Tube and Fin Type with Cast
Iron Top and Bottom Tanks

Hose Specifications

Upper Radiator Inlet Elbow.....Cast Elbow

Lower Radiator Hose.....3 Ply—1½ Inch Inside Diameter
5½ Inches Long

Rate of Coolant Flow at Full Load

Governed Engine Speed of 1200 RPM.....25 Gallons Per Minute

Number of Fan Blades.....6

Effective Width of Blades.....2 Inches

Diameter of Fan.....16⅞ Inches

Electrical System

Type of System.....Negative Ground From Battery

Voltage.....6 Volt

Battery.....17 Plate, 115 Ampere Hours at 20 Hour Rate

Generator.....6 Volts

Voltage Regulator.....Automatic Type

Starting MotorDrive Assembly Automatically Lubricated in
Clutch Housing (Sealed from Dust)

Headlight Bulb Size.....32 C.P. Single Contact, 6-8 Volt Flange Base Type

Rear Light Bulb Size.....Large—32 C. P. Single Contact, 6-8 Volt
Plain Base Type
Small—1 C. P. Single Contact, 6-8 Volt
Plain Base Type

Live Power Take-Off

Rotation.....	Clockwise
Normal Speed at Full Load	
Governed Engine Speed of 1200 RPM.....	540 RPM
Spline Size.....	1 $\frac{3}{8}$ Inches Standard
Adapter Guard.....	Standard
PTO Shaft Guard—Eagle Hitch.....	Case Bracket and Guard for Eagle Hitch Tractor Only
Location on Tractor.....	Center Line of Tractor
Distance from Center of PTO Shaft to	
Top of Drawbar.....	15 15/16 Inches
Method of Engaging.....	PTO Clutch Hand Lever
Type Clutch.....	Oil Bath, Over Center, Multiple Disc Type

Tractor Belt Pulley

Diameter—12 $\frac{1}{4}$ Inches.....	Face Width—7 $\frac{1}{4}$ Inches
No Load Speed.....	948 RPM
Full Load Speed.....	818 RPM
Belt Speed.....	2620 Feet Per Minute Under Load
Ratio Engine Speed to Belt Pulley Speed.....	1.466 to 1
Resilient Type Pulley.....	Standard Equipment on DC-3 and DC-4 Tractors
Rigid Type Pulley.....	Standard Equipment on DC-4, D, DS, DO, DV Tractors

Approximate Capacities

	U. S.	Imperial
Engine Crankcase		
Without Oil Filter.....	Quarts..... 7	5-4/5
With Oil Filter.....	Quarts..... 8	6-7/10
Cooling System	Gallons..... 6-3/4	5-1/2
Gasoline Tank	Gallons..... 19	15-4/5
LPG Fuel Tank		
Measured by Water Capacity.....	Gallons..... 28	23-3/10
	(LPG Fuel Tank Must Only Be Filled 80% Full or 22-2/5 U. S. Gallons)	

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