

# **200 Automatic Twine Tie Balar**

Service Manual

9-61882

Reprinted

***CASE III***

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# INTRODUCTION

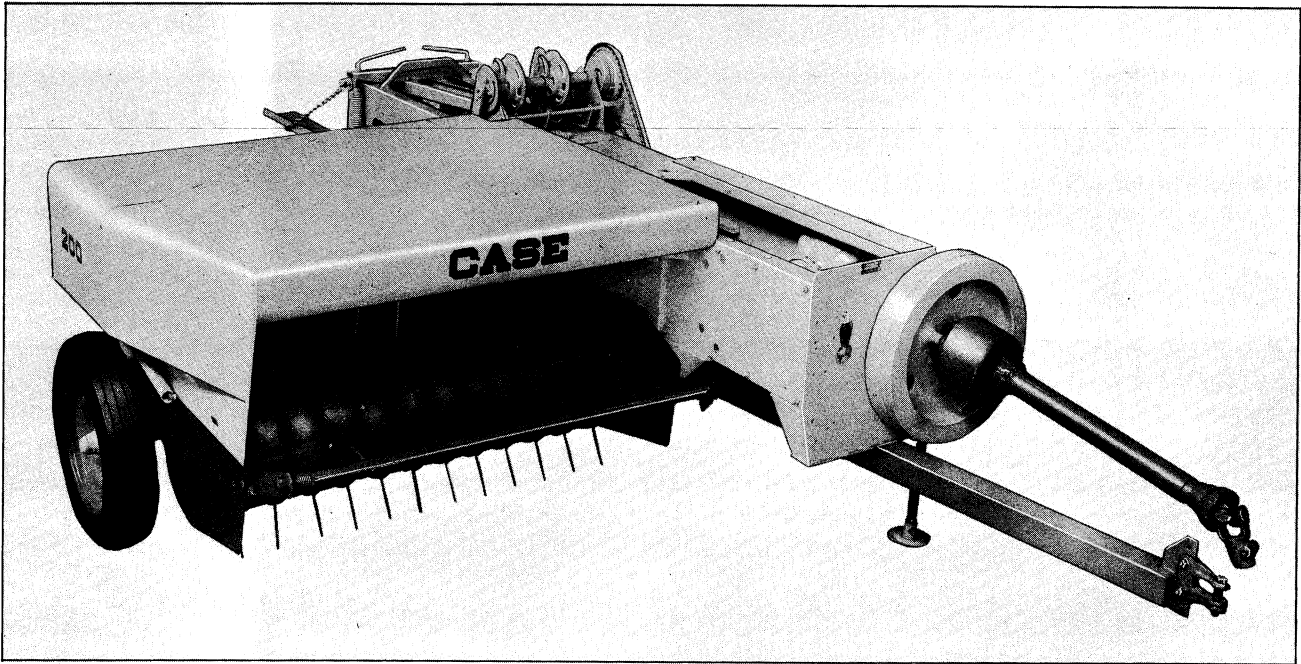


Figure 1. Model 200 Baler with PTO Drive

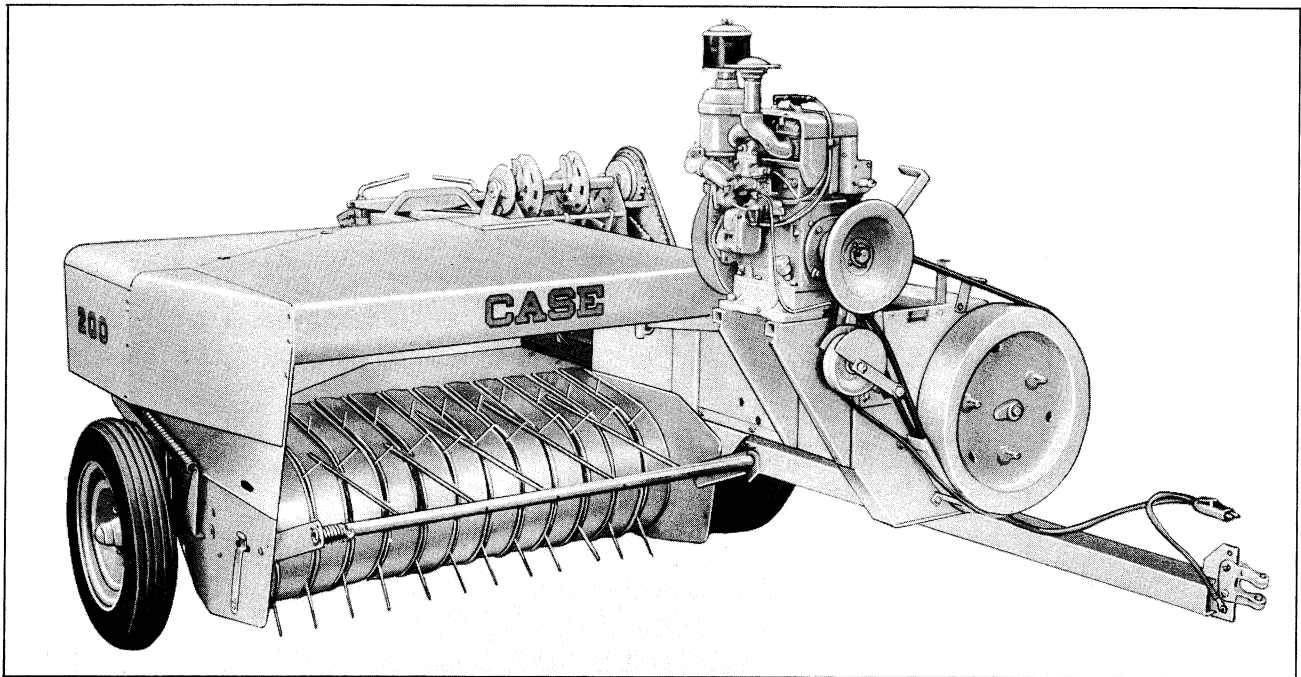


Figure 2. Model 200 Baler with Engine Drive

Set Up, Pre-Delivery Inspection, and Service are some of the basic functions of an Authorized CASE Dealer and you are required as an Authorized CASE Dealer to be qualified to render these necessary functions.

It is very important that this manual be carefully studied and discussed by all personnel in the Dealer's organization.

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## SERIAL NUMBERS

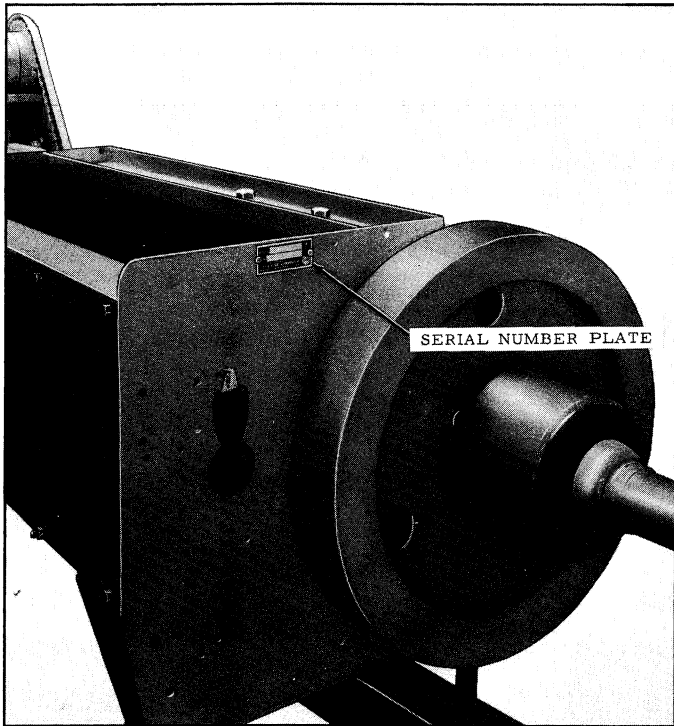


Figure 3. Baler Serial Number

The Serial Number for the CASE Model 200 Baler is located at the front of the bale case as shown in Figure 3.

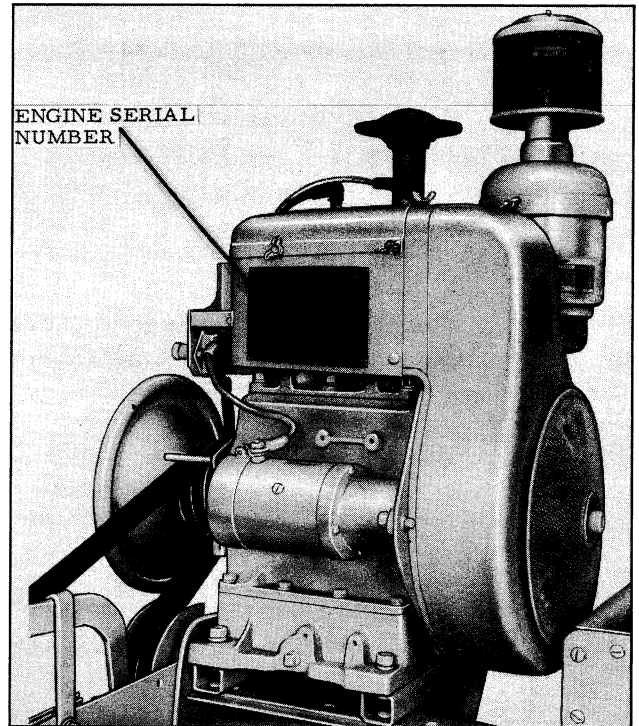


Figure 4. Engine Serial Number

The Engine Serial Number is stamped on the number plate shown in Figure 4.

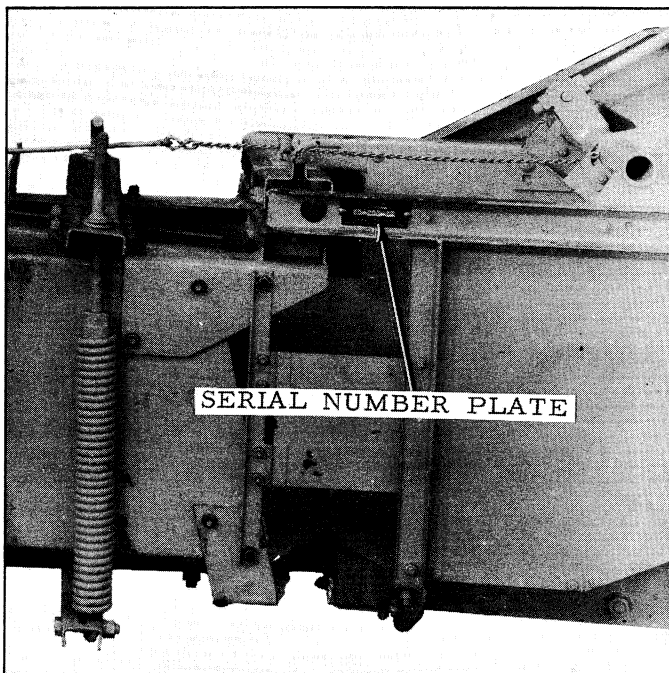


Figure 5. Launcher Serial Number

In all correspondence or contacts, always provide the Model Number, Baler Serial Number, Engine Serial Number - if so equipped and launcher Serial Number.

The Launcher Serial Number is located on the left channel toward the front as shown in Figure 5.

# GENERAL SPECIFICATIONS

## APPROXIMATE OVERALL DIMENSIONS

<u>Length</u>	
Bale Diverter in Operating Position . . . . .	16 Feet, 1 Inch
Bale Diverter Folded . . . . .	13 Feet, 5 Inches
<u>Width</u> . . . . .	7 Feet, 10 Inches
<u>Height</u>	
Overall Height, PTO Drive Baler . . . . .	49 Inches
Overall Height, Engine Drive Baler . . . . .	69 Inches
Height to Top of Feeder Deck . . . . .	41 Inches
Ground to Bale Case . . . . .	21 Inches

## BALE DIMENSIONS

<u>Size</u> . . . . .	14 x 18 Inches
<u>Length</u> . . . . .	12 to 52 Inches

## DRAWBAR

<u>Type</u> . . . . .	Swinging
<u>Positions</u> . . . . .	Operating and Transport

## DRIVE

<u>Power Take-Off</u>	
Clutch . . . . .	Built-in Overrunning
Safety Slip Clutch . . . . .	Spring Loaded Disc
Operating Speed . . . . .	540 RPM Under Load

## Engine

Make . . . . .	Wisconsin
Model . . . . .	THD
Type . . . . .	4 Cycle Air Cooled
Number of Cylinders . . . . .	2
Pistons . . . . .	Aluminum Alloy
Number of Piston Rings . . . . .	4
Piston Pins - Full Floating Type . . . . .	3/4" Dia.
Bore and Stroke . . . . .	3-1/4" x 3-4/4"
Exhaust Valves and Inserts . . . . .	Stellite Faced
Valve Rotators . . . . .	Positive Type
Replaceable Valve Guides . . . . .	Cast Iron
Valve Location . . . . .	L Head
Diameter of Valves . . . . .	1-5/16" O. D.
Cylinders - Cast in Pairs . . . . .	Nickel Iron
Separate from crankcase	
Honed to insure perfect bore	
Cylinder Head - Aluminum Alloy . . . . .	Cast in Pairs
Crankshaft . . . . .	Counterbalanced, Heat Treated Drop Forging
Crankcase . . . . .	Cast Iron
Main Bearings . . . . .	Tapered Roller
Connecting Rods . . . . .	Steel Forging - 8-3/8" Long
Connecting Rod Bearings . . . . .	1-3/4" Dia. x 1-1/8" Long
Babbit - Die Cast Directly in Rod	
Exhaust Outlet . . . . .	1-1/4" Pipe Thread

Lubrication . . . . . By Pump with Individual  
Oil Stream to Each Rod. All  
Other Parts Lubricated By  
Oil Spray

Ignition . . . . . High Tension Magneto with  
Impulse Coupling

Spark Plugs . . . . . 18 MM Thread Size

Air Cleaner . . . . . Oil Bath with Dry  
Type Pre-Filter

Approximate Capacities

Engine Crankcase . . . . . 3-1/2 Quarts

Fuel Tank . . . . . 9-1/4 Gallons

Governed Engine Speed

Full Load . . . . . 2800 RPM

No Load . . . . . 2950 RPM

Standard Equipment . . . . . Electric Starter  
Rotating Air Intake Screen  
High Temperature Safety Switch

CRANK

Arm Length . . . . . 13 Inches

Speed . . . . . 65 RPM

FEEDING MECHANISM . . . . . One Feeder Arm

Size of Feed Opening . . . . . 12 x 21 Inches

Area of Feed Opening . . . . . 252 Square Inches

KNOTTER . . . . . CASE

PICKUP

Type . . . . . Drum

Teeth . . . . . 24 Individually Mounted

Drive . . . . . Power Driven from Plunger Crankshaft

Height Control . . . . . Manually Adjustable

Mounting . . . . . Floating Type Spring Mounted

Effective Operating Width . . . . . 56 Inches

PLUNGER

Type . . . . . Slotted Plunger

Plunger Speed . . . . . 65 Strokes Per Minute

Length of Stroke . . . . . 26 Inches



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TWINE

Tensile Strength, Average Minimum . . . . . 330 lbs.

Size . . . . . Must be Uniform

Treating . . . . . Must be Treated with Insect and Rodent Repellant

TWINE BOX

Capacity . . . . . 4 Balls

WHEELS, TIRES

Bearings . . . . . Tapered Roller

Tire Size

Right Hand Tire . . . . . 5.00 x 15 (2 Ply)

Left Hand Tire . . . . . 6.40 x 15 (6 Ply)

Tire Pressures

Right Hand Tire . . . . . 20 Pounds

Left Hand Tire . . . . . 40 Pounds

WEIGHT, APPROXIMATE

Power Take-Off Baler . . . . . 1830 lbs.

Engine Baler . . . . . 2080 lbs.

# SAFETY INSTRUCTIONS

The following discussion and Safety Rules deal with the hazards that are common to farm machinery and the personnel involved in the handling and operating of this type of machinery.

As a Case Dealer you and your personnel are urged to use every possible means toward the elimination of preventable accidents in your Dealership and to conduct a direct program of Safety Education and Training for Customers operating farm machinery.

1. Provide an adequate, clean well-lighted location for setting up and servicing machinery.
2. Use only those tools that are in perfect condition and are the right tools for the job.
3. Use the utmost care in handling the machine, parts, and tools used.
4. Stress the importance of first aid training and fire prevention measures to all personnel.
5. Make certain all personnel know the location of the first aid kit and all fire extinguishers.
6. Before delivering a machine to a customer, inspect it thoroughly to make sure all bolts, supports, braces, wheels, tires, belts, hoses, chains and springs are in place and tightened properly.
7. Check each machine before delivery to make certain it is equipped with all the standard safety devices provided.
8. Provide customer with a list pointing out and describing all of the special safety devices available for his machine.
9. When delivering machine to the customer:
  - a) Point out every safety device. Explain and demonstrate its function if necessary.
  - b) Point out every warning decal and explain its purpose.
  - c) Locate and point out to the customer all safety information and precautions included in the Operator's Instruction Manual.
  - d) Point out every known operating procedure that must be observed for safety reasons.
10. Follow up on your customers' safety education at every available opportunity.

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