

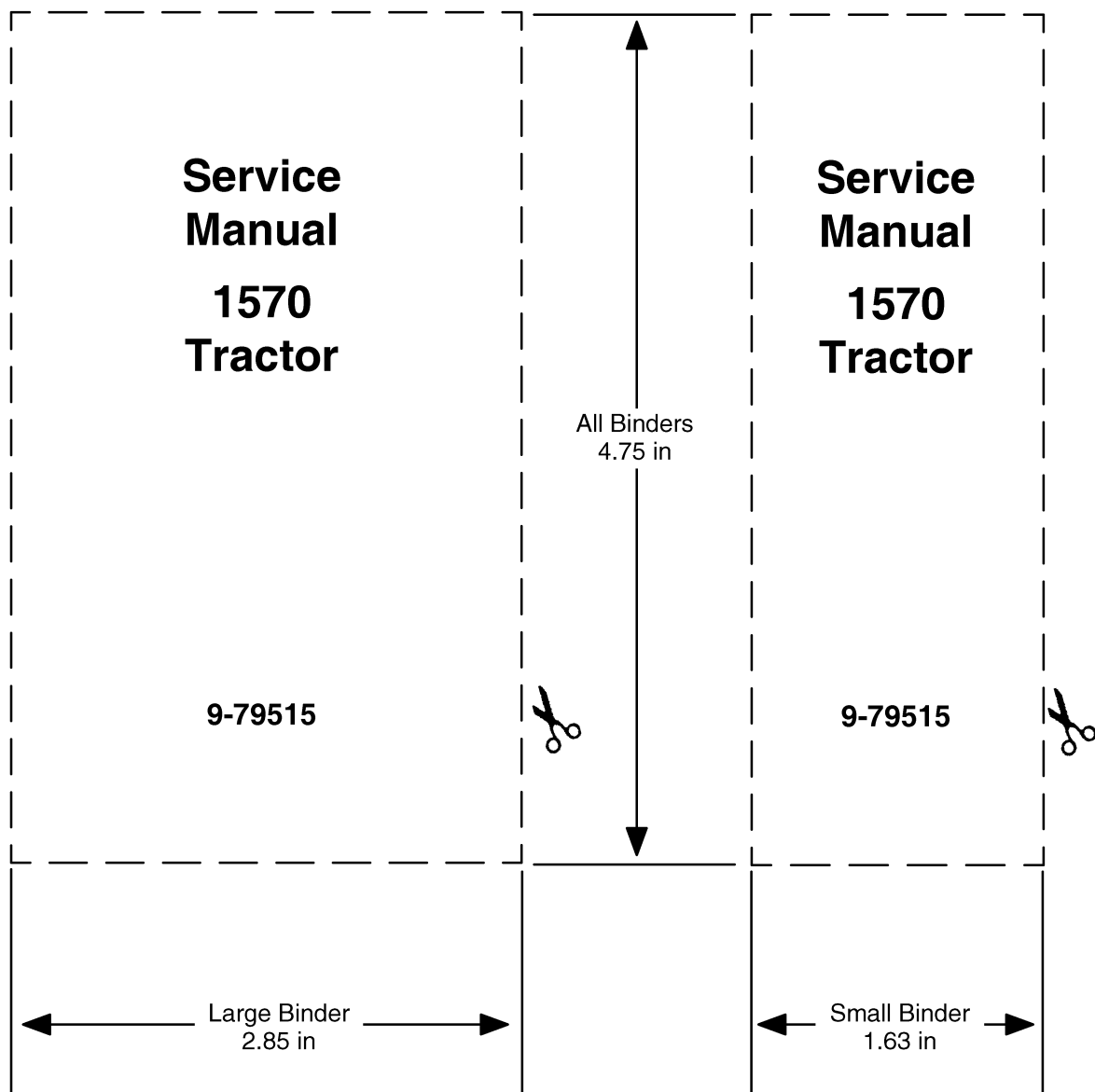


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1570 TRACTOR

SPIRIT OF '76 TRACTOR

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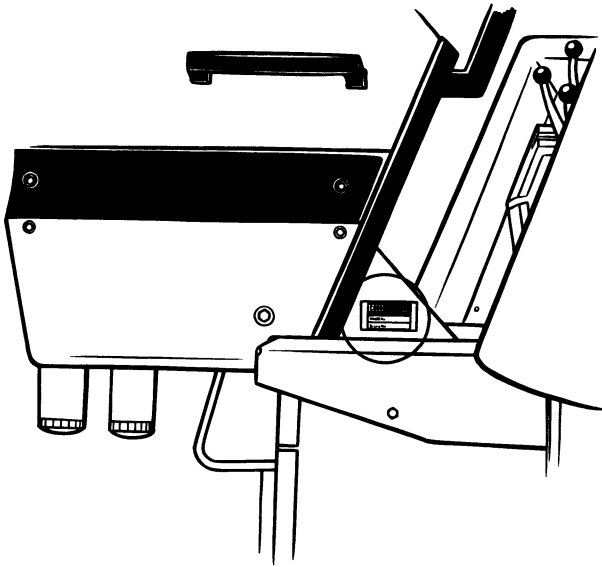
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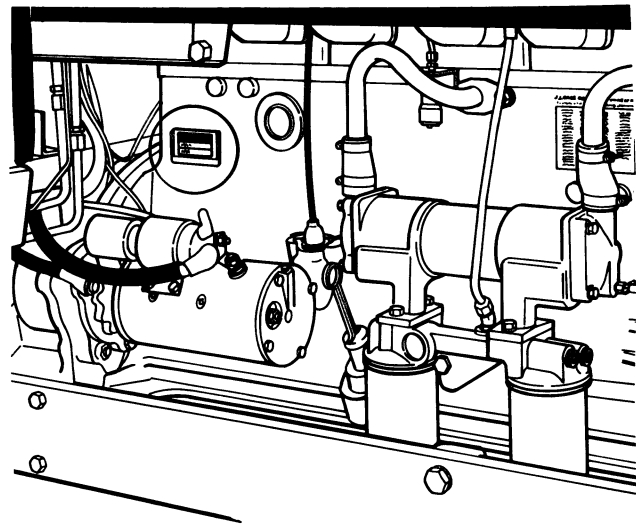
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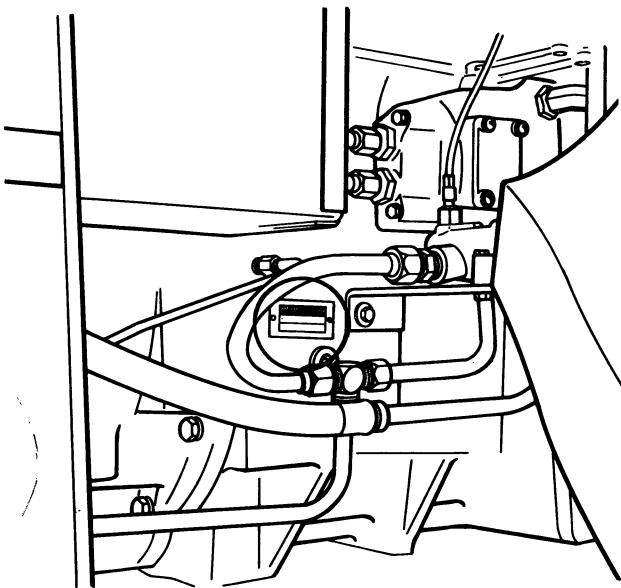
SERIAL NUMBERS



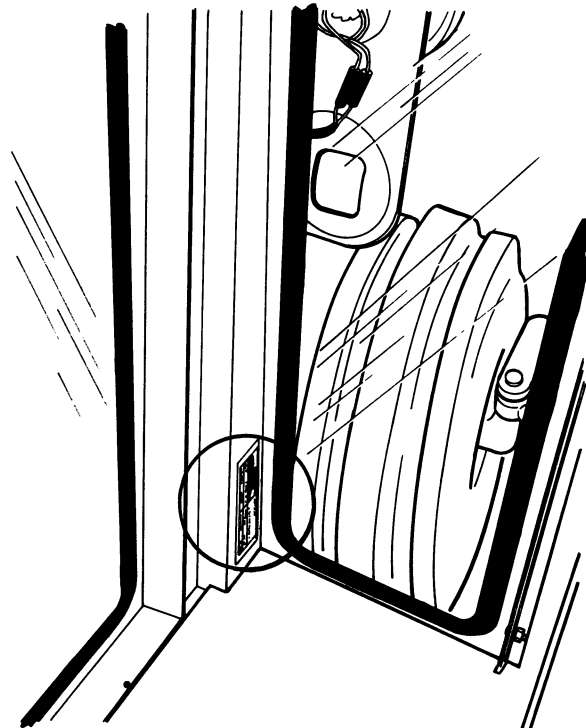
TRACTOR SERIAL NUMBER



ENGINE SERIAL NUMBER



TRANSMISSION SERIAL NUMBER



CAB SERIAL NUMBER

DIESEL ENGINE

General

Type -----6 Cylinder, 4 Stroke Cycle, Valve-In-Head
Turbocharged Diesel Engine

Firing Order ----- 1-5-3-6-2-4

Bore ----- 4-5/8 Inches (117.5mm)

Stroke ----- 5 Inches (127mm)

Piston Displacement ----- 504 Cubic Inches (8 259cm³)

Compression Ratio ----- 15.8 to 1

Cylinder Sleeves ----- Removable Wet Type

No Load Governed Speed ----- 2290-2330 RPM

Rated Engine Speed ----- 2100 RPM

Engine Idling Speed ----- 700-750 RPM

*Valve Tappet Clearance (Exhaust) ----- (Hot) .020 Inch (0.508mm)
(Cold) .025 Inch (0.635mm)

(Intake) ----- (Hot and Cold) .015 Inch (0.381mm)

*Hot Settings Are Made After The Engine Has Operated At Thermostat Controlled Temperature For At Least Fifteen Minutes.

Piston and Connecting Rods

Rings per Piston ----- 3

Number of Compression Rings ----- 2

Number of Oil Rings ----- 1

Type Pins ----- Full Floating Type

Type Bearings ----- Replaceable Precision, Steel Back
with Aluminum or Copper-Lead Alloy Liners.

Main Bearings

Number of Bearings ----- 7

Type Bearings ----- Replaceable Precision, Steel Back
with Aluminum or Copper-Lead Alloy Liners.

Air Intake System

Type ----- Self-Cleaning Air Induction System,
Dry-Type, 2 Stage With Service
Indicator and Pre-Cleaner.

Engine Lubrication System

Oil Pressure	----- 45 to 60 PSI (310 to 414 kPa) with Engine Warm and Operating at Rated Engine Speed.
Type System	----- Pressure and Spray Circulation with Piston Oil Cooling.
Oil Pump	----- Gear Type
Oil Filter (2)	----- Full Flow Spin on Type, Pleated with By-pass Valve in Filter Base.
Oil Capacity	----- With Filters, 26 U.S. Qts. (24.6 litres) Without Filters, 22 U.S. Qts. (20.8 litres)
Oil Cooler	----- Engine Oil

Cooling System

Capacity of System	----- 44 U.S. Quarts (41.6 litres)
Type of System	----- Pressurized, Thermostat Controlled By-Pass Type; Forced Circulation, (Impeller Type Pump).
Radiator	----- Heavy Duty Fin and Tube Type
Thermostat (2)	----- Starts to Open at Approximately 175°F. (79°C.), Fully Open at 202°F. (94°C.)
Pressure Cap Required	----- 10 PSI (69.0 kPa)

Fuel System

Fuel Injection Pump	----- Robert Bosch, Type PES (Multiple Plunger).
Pump Timing	----- 25 Degrees Before Top Dead Center (Port Closing). IMPORTANT: Do Not Advance Beyond 25° BTDC Under Any Circumstances. The Specified 25° Provides Minimum Emissions In Tractor Operation.
Fuel Injectors	----- American Bosch, 17mm Opening Pressure 4000 PSI (27 579 kPa)
Fuel Transfer Pump	----- Plunger Type, Integral Part of Injection Pump.
Governor	----- Variable Speed, Fly-Weight Centrifugal Type; Integral Parts of Injection Pump.
1st Stage fuel filter	----- Full Flow Spin on Type
2nd Stage fuel filter	----- Full Flow Spin on Type
Fuel Tank Water Trap and Drain	----- Located in Base of Fuel Tank.
Fuel Tank Capacity	----- 80 U.S. Gallons (303 litres)
Fuel Level Gauge	----- Electric, Located on Instrument Panel.
Hand Primer Pump	----- Located on Top of the Fuel Transfer Pump.
Preliminary Fuel Filter	----- Located at the Bottom of the Fuel Transfer Pump.

TRACTOR SPECIFICATIONS

Electrical System

Type of System ----- 12 Volt Negative Ground

Batteries ----- (2) 12 Volt Batteries Connected in parallel,
Group Size 30H, Rated in 1.255 to 1.265
Specific Gravity. Discharge Rate 300 Amps
at 0°F. Voltage Drops to 9.2 after 10 Sec-
onds. Voltage Drops 1.0 Volt per Cell after
4 min.

Alternator ----- 12 Volt 55 Amp Output, Negative Ground

Voltage Regulator ----- 12 Volt, Solid State,
Internal Component of Alternator

Starter Motor ----- 12 Volt with Solenoid Switch

Head Lights (2) ----- 12 Volt, 40/40 Watt Sealed High-Low Beam

Front Flood Lights (2) (optional) ----- 12 Volt, 35 Watt Sealed Beam

R. Rear Flood Light (1) (optional) ----- 12 Volt, 60 Watt, Sealed Beam

Flasher Lights (2) With Directional Turn Signals ----- 12 Volt, Amber Lens

L. Rear Flood and Tail Light (1) ----- 12 Volt, 60 Watt Sealed Beam
Combination Tail and Flood Lamp.

Circuit Breaker System Over Load Check ----- 12 Volt Twin 40 AMP
Breakers Connected in Parallel, 80 Amp Rating.
60 Amp. Min. Continuous Capacity.

Lights Circuit Breaker ----- 40 Amp., Located on Light Switch

Hydraulic Power Assist Brakes

Type ----- Hydraulic, Power Assisted,
Self-Adjusting Multiple Plate
Wet Type Differential Brakes.

Power Shift Transmission

Type ----- 3 Speed Compound Planetary
With Hydraulically Actuated Clutches
and a 4 Speed Gear Range Selection.

Gear Selection ----- 12 Speeds Forward and 3 Speeds Reverse.

Shifting ----- Hydraulic Power Shifting Controlled
by a Lever on Operator's Console.
4 Speed Range Controlled by a
Mechanical Shifter from a Lever
on Operator's Console.

Oil Cooler ----- Transmission, Hydraulic, Steering and Brake Oil



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Differential Lock

Type ----- Hydraulically Actuated, Operated
by Operator's Foot Pedal.

Hydrostatic Power Steering

Dual Pump, 8 gal. (30.3 litres) Section ----- Direct Drive Gear Type

Pump Capacity at 2000 Engine RPM ----- 8 GPM (30.3 l/min.)

HGA Hydrostatic Type ----- Integral and Bi-Directional
Gerotor Metering Section, Actuated
by the Steering Wheel.

Steering Cylinders ----- Two Double Acting Cylinders

Draft-O-Matic System

Type of Sensing ----- Lower Link

Type Control ----- Hand Lever

Type Valve ----- 3 Positions - Raise - Hold - Lower

Type Draft Arms ----- Rigid Swinging, with
Manual Float Adjustment

Type Hitch ----- 3 Point Category III

Convertible Hitch Coupler (Available) ----- Category III-II

Power Take-Off

Type Clutch ----- Hydraulically Operated

Rotation ----- Clockwise

Spline Size ----- 21 Splines 1-3/8 in. (34.9mm) Dia.

Engine Speed 2100 RPM ----- 1000 RPM Shaft Speed

Drawbar

Standard or Yoke Type ----- Full Swinging Roller Mounted,
Will Accommodate a 1-1/2 Inch (38.1mm) Dia. Pin.

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