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MANUAL PREVIEW

Versatile

Service Manual

4400

Windrower

Service Manual

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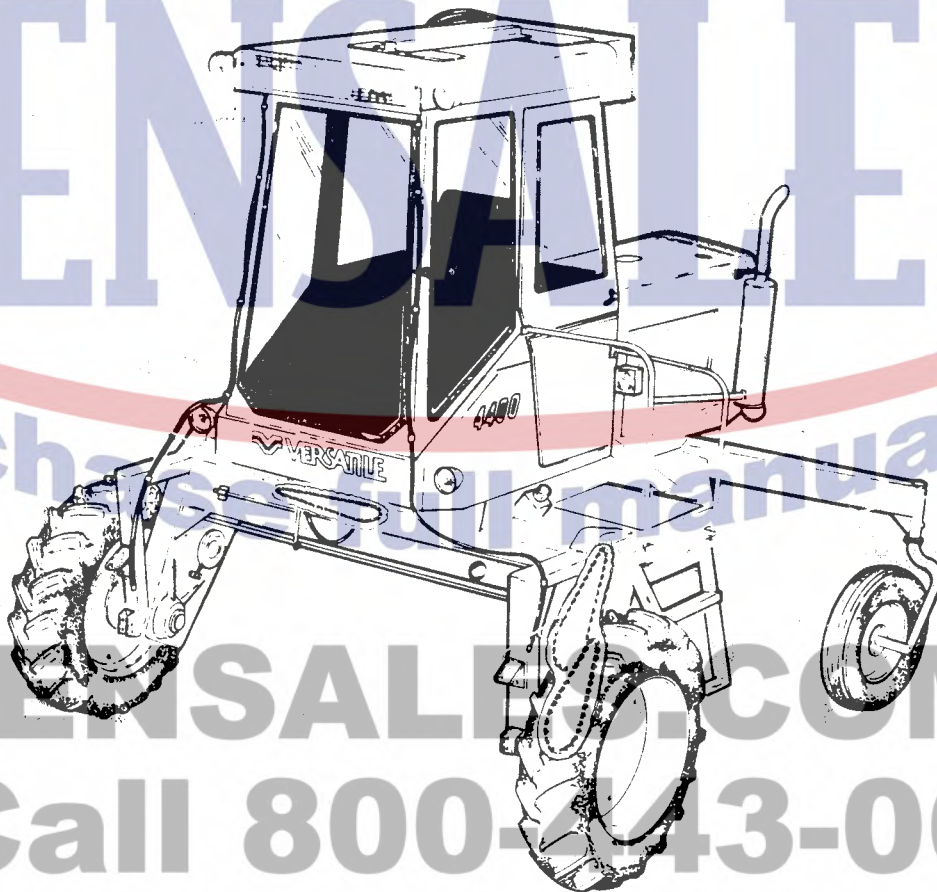
VE-S-4400

VERSATILE

Service Manual



Swather
4400



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SECTION 1: SPECIFICATIONS AND DATA

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DIMENSIONS

Overall Length	235 in. (5 970 mm)
Tractor Unit Length	156 in. (3 960 mm)
Tractor Unit Frame Width	84 in. (2 130 mm)
Wheelbase, Normal	120 in. (3 050 mm)
Wheelbase, Tailbeam Reversed	90 in. (2 290 mm)
Wheel Tread Width (11.1 x 24 tires)	104 in. (2 640 mm)
(18.4 x 16.1 tires)	110 in. (2 790 mm)
Height, with Cab	128 in. (3 250 mm)
Less Cab	84 in. (2 130 mm)
Clearance, Table to Tractor Unit Frame	36 in. (910 mm)

DIVIDERS

Type	Laterally adjustable
Total Cutting Width Adjustment	± 10 in. (± 250 mm)

ENGINE

Gas Engine

Type	Ford gasoline, six-cylinder
Horsepower at 2 800 r/min	75 hp (56 kW) SAE J245
Full load governed speed	2 600 r/min
Displacement (79-82)	200 cu in. (3.3 L)
(83)	5.4 qt US (5.1 L)
Bore x Stroke	3.68 x 3.13 in. (93.5 x 79.5 mm)
Compression Ratio	8.3:1
Idle Speed	550 r/min
Oil Capacity	
1979 to 1982	4.5 qt (4.2 L)
1983	5.4 qt US (5.1 L)

Diesel Engine

Type	VERSATILE® diesel, four cylinder
Horsepower at 2 600 r/min	69 HP (51.5 kW) SAE J270
Displacement	220 cu in. (3.6 L)
Bore x Stroke	3.8 x 4.6 in. (98.4 x 118 mm)
Compression Ratio	16.5:1
High Speed Idle	2 800 r/min
Low Speed Idle	1 000 r/min
Oil Capacity	7 qt US (7.1 L)

ELECTRICAL SYSTEM

Gas Engine

Type	42 A alternator; 12V, negative ground
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Diesel Engine

Type	72 A alternator; 12V, negative ground®
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GENERAL

Rear Suspension	Two castoring rear wheels on articulating, reversible tailbeam
Weight Pans	Sand, 240 lb/pan (110 kg/pan)
Seat	Position and suspension adjustable

Steering column	Tilting and telescoping
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HYDROSTATICS

Pump	Double pump with integral charge and auxiliary pump
Motors	Fixed displacement
Speed Control	Infinitely variable
Speed Range	0 to 12 mph (0 to 19 km/h) forward 0 to 7 mph (0 to 11.2 km/h) reverse
Steering	Steering wheel operates transmission independently of speed control

OPTIONS

Cab

Length (Outside Top) 45 in. (1 140 mm)

Length (Outside Bottom) 55 in. (1 400 mm)

Width (Outside Top) 36 in. (910 mm)

Width (Outside Bottom) 42 in. (1 070 mm)

Height 59.5 in. (1 510 mm)

Windows Tinted safety glass;
side windows open

Double Swath Table

Swath Opening . . . 44 or 50 in. (1 120 or 1 270 mm)

Deck Shifting and Motor Reversing Control
. Solenoid-operated valves

Knives Black overserrated high-rise,
chrome overserrated high-rise
chrome overserrated low-rise

Engine

Gas Engine Ford, six cylinder

Diesel Engine VERSATILE®, four cylinder

Field Light Package

Hydraulic Hand Control

Spark Arrestor

Heater Package

Hanging Divider with Double Swath Table

Crimper

Pickup Reel

Skid Shoes

Air Conditioning Package

REEL

Type Five sheet metal, roll-formed bats

Diameter 54 in. (1 370 mm)

Speed Range 0 to 60 r/min,
variable sheave adjustment

Lift Range
above Cutterbar 1 to 30 in. (25 to 760 mm)

Drive . . . Hydraulic motor, roller chain and V-belt

TABLE DRIVES

Reel and Canvas Drives Hydraulic, fixed
displacement pump, proportionator, two motors

Knife Drive Mechanical, 1 080 r/min PTO

TIRES

Front 11.2 × 24 or 18.4 × 16 (optional)

Tailwheels 6.70 × 15 (170 × 381)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

3 Fuel, Fluids and Lubricants

SAFETY

**DO NOT HANDLE FUEL NEAR
AN OPEN FLAME, WHILE SMOK-
ING OR UNDER ANY CONDITION
THAT COULD CAUSE A SPARK.**

**USE ONLY A PROPERLY
ENCLOSED CONTAINER AP-
PROVED FOR FUEL HANDLING.**

**IF WORK CLOTHES BECOME
SPLASHED WITH FUEL,
CHANGE IMMEDIATELY. FUEL-
SOAKED CLOTHES ARE AN EX-
TREME FIRE HAZARD.**

**DISPOSE OF ANY FUEL-SOAKED
RAGS LYING AROUND A WORK
AREA WHERE THEY MAY BE EX-
POSED TO FLAME, SPARK OR
CIGARETTE SMOKING.**



BE ALERT

3.1 FUEL

The performance of the VERSATILE® Model 4400 Swather depends on the quality of the petroleum products used. The necessary fuel, fluids and lubricants are widely available from dealer outlets of major refiners.



FIGURE 1-1: Gas Engine Governor Oil Plug

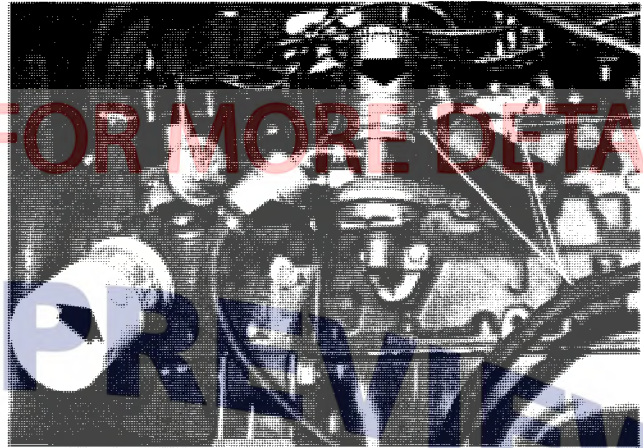


FIGURE 1-2: Gas Engine Oil and Fuel Filters

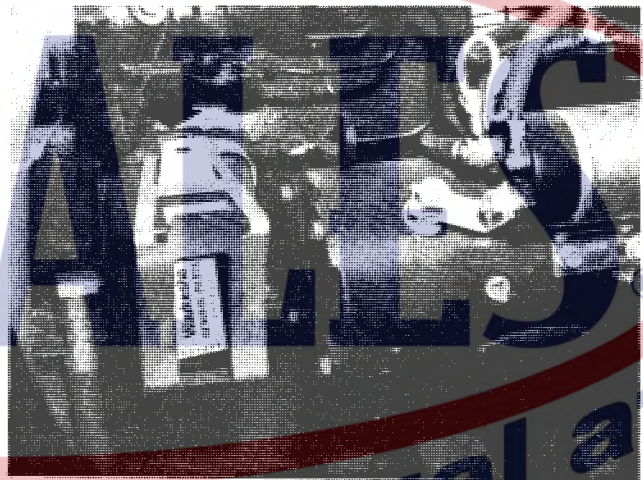


FIGURE 1-4: Diesel Engine Fuel Filter



FIGURE 1-3: Diesel Engine Oil Filter



FIGURE 1-5: Main Drive U-Joints