

**OWNER'S MANUAL SUPPLEMENT
2000 SPORTSMAN 500
PN 9915476**



IMPORTANT: This is a supplement to your owner's manual. This information should remain with your owner's manual at all times.

Specifications

		Sportsman 500
C A P A C I T I E S	Body Style	Gen IV
	Gross Vehicle Weight	1200 Lbs.
	Fuel Capacity	5.25 U.S. Gallons
	Gearcase Oil	32 Ounces
	Engine Oil Capacity	2 Quarts
	Front Rack (Maximum - Capacity)	90 Lbs.
	Rear Rack	180 Lbs.
	Tongue Weight	35 Lbs.
	Tow Hitch	Standard
	Tow Capacity	1225 Lbs.
	Turn Radius	65"
	Ground Clearance	11"
	Height	47"
	Length	81"
	Seat Height	34"
	Dry Weight	697
Wheel Base	50.50 "	
Width	46"	
D R I V E S Y S T E M	Drive System Type	EBS
	Shift Type	Side Lever (Hi/Lo-R-N)
	Gear Reduction - Low	6.69/1
	Gear Reduction - Reverse	5.17/1
	Gear Reduction - Forward	3.34/1
	Front Drive (ratio)	2:1
	Final Drive (ratio)	3.16:1
	Center Drive (ratio)	Not Applicable
Drive Chain	Not Applicable	
T I R E S	Front Tire	25 x 8-12
	Rear Tire	25 x 11-10
	Tire Pressure (front)	5
	Tire Pressure (rear)	5

		SPORTSMAN 500
S U S P	Front Susp. - Mac Strut	6.25"
	Rear Susp. - Progressive Rate Fully Independent w/ Anti-roll Bar	9.5"
	Shock Adjustment	CAM
B R A K E S	Front Brake	Hydraulic Disc
	Rear Brake	Hydraulic, opposed piston caliper, fixed disc
	Auxiliary Brake	Hydraulic, opposed piston caliper, fixed disc
	Park Brake	Hydraulic lock, all wheel
E N G I N E & C O O L I N G	Engine Model Number	EH50PLE-09
	Engine Type	4 Cycle, Single Cylinder
	Lubrication	Dry Sump
	Bore x Stroke	92 x 75
	Displacement	499
	Compression Ratio	10:2 Full Stroke
	Engine Cooling	Liquid
	Alternator Output (watts)	250
	Carburetion	1/BST34
	Main Jet	155
	Pilot Jet	40
	Needle Jet	Q-0
	Pilot Screw	2 5/8Turn
	Jet Needle	4HB41-3
	Ignition	CDI
	Timing	30 @ 3500
Spark Plug Gap	.7 mm/.028 in.	
Spark Plug Type	NGKBKR5E	
Exhaust	USFS Approved	
L I G H T S	Headlight (on Handlebar) (watts)	1 single beam, 60
	Headlight (on Grill) (watts)	2 single beam, 27
	Taillight (watts)	8.26
	Brake Light (watts)	26.9
F E A T U R E S	3-Point Hitch	Accessory
	Battery	12V 14AH
	DC Plug In - Rear	Accessory
	DC Socket - Forward	Standard
	Electric Start	Standard
	High Beam Indicator	Standard
	High Temp Indicator	Standard

		Sportsman 500
F E A T U R E S	Windshield	Accessory
	Low Oil Light	Not Applicable
	Neutral Indicator	Standard
	Reverse Indicator	Standard
	Speedometer	Standard
	Tool Kit	Standard

**2000 Sportsman 500
(Engine - EH50PLE-09)**

Carburetor Jetting

Clutching Chart

Altitude	AMBIENT TEMPERATURE	Below 40° F Below 5° C	+40°F to +80° F +5°C to +28°C	Altitude		Shift Weight	Drive Clutch Spring	Driven Clutch Spring	Helix*
				Meters (Feet)	0-1800 (0-6000)				
Meters (Feet)	0-1800 (0-6000)	162.5	155		0-1800 (0-6000)	10MH (5630513)	Blue/Green (7041157)	White/Green (7041636)	Comp EBS 5131674
	1800-3700 (6000-12000)	152.5	147.5		1800-3700 (6000-12000)	10WH (5630710)	Blue/Green (7041157)	White/Green (7041636)	Comp EBS 5131674

* EBS models require no helix adjustment

Speedometer

Your Polaris ATV is equipped with a new electronic speedometer which senses vehicle speed from the right hand front wheel. The electronic speedometer measures distance in miles and kilometers as well as hours of operation. To display each mode, press the button on the face of the speedometer once to “toggle” through the functions. Each function will be displayed as shown:

Miles / Kilometers	00000.0
Trip Miles / Kilometers	000.0
Hours	00000.0

To reset Trip Miles / Kilometers:

1. Toggle to Trip Miles / Kilometers.
2. Hold down button approximately 4 seconds.

To change distance measurement from Miles to Kilometers or vice versa:

1. Toggle to odometer.
2. Hold down the button approximately 8 seconds until the word FARIA appears in the display, then release the button. If the last digit in the display is a “K”, the measurement is Kilometers, if the last digit is an “M”, the measurement is Miles.

The speedometer also includes a reverse speed limit function that limits the ATVs speed in reverse after approximately 7 to 9 mph. Refer to page 35 of your ATV Owner’s Supplement for more information.

! ATTENTION

Do not wash the electronic speedometer with a high pressure washer. Wash the unit by hand or with a garden hose. High water pressure may allow water to enter the speedometer and cause damage to the electronic components.

2000 SPORTSMAN 500

WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.

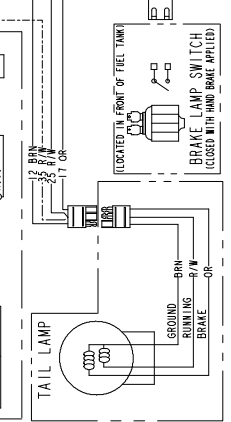
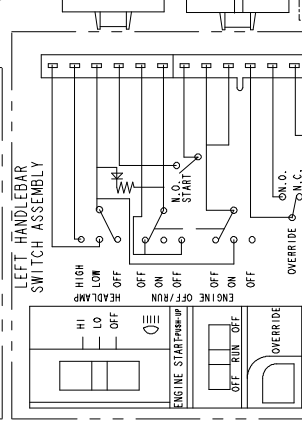
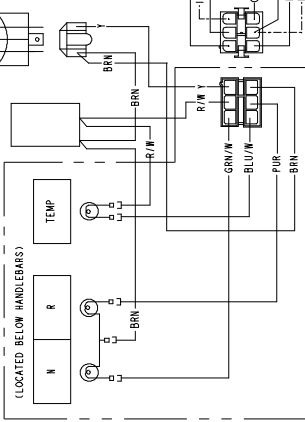
HARNESS-2460784-01

COLOR CODE:
 BLK = BLACK
 BRN = BROWN
 PUR = PURPLE
 BLU = BLUE
 GRN = GREEN
 ORG = ORANGE
 YEL = YELLOW
 WHT = WHITE
 R = RED
 B = BLACK

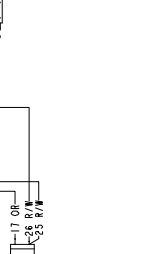
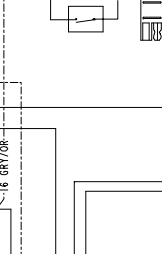
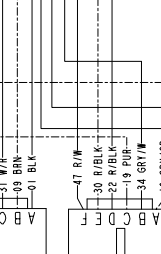
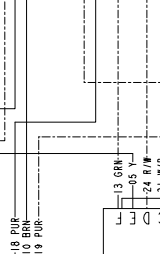
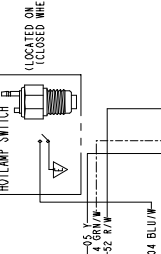
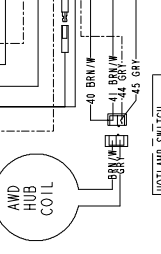
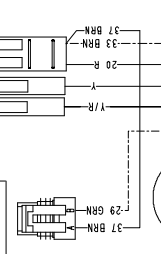
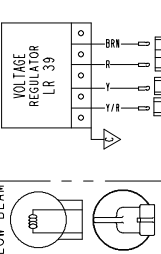
REFLECTOR LOCATED IN HARNESS BETWEEN EXTENTS TO
 IGNITION SWITCH
 HEAD LAMP
 SPEEDOMETER
 WHEEL SPEED SENSORS
 FAN MOTOR
 FAN SWITCH
 CDI BOX
 CDI TRIGGER COILS
 CDI CHARGE COILS
 SPARK PLUG
 STATOR
 STATOR COILS
 STATOR TRIGGER COILS
 STATOR CHARGE COILS
 SPARK PLUG
 SPARK PLUG (LOCATED ON TOP OF ENGINE)
 NOTE: NO GREEN WIRE ON LATE BUILD MOTORS

TWO COLOR WIRES ARE SHOWN WITH MAIN TRACE COLORS. EXAMPLE:
 R/Y = RED WITH YELLOW TRACER.
 NC = SWITCH NORMALLY CLOSED
 NO = SWITCH NORMALLY OPEN

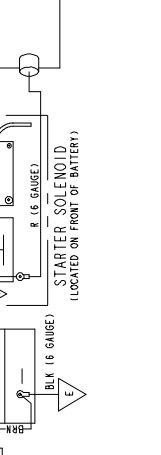
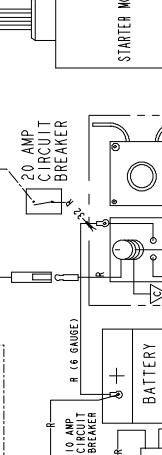
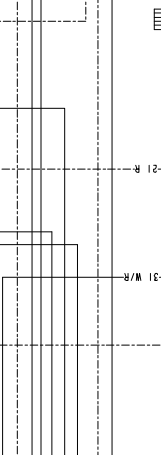
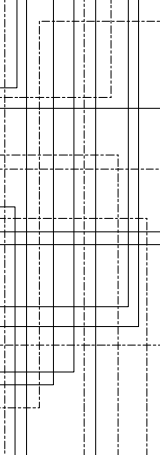
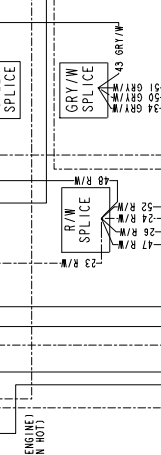
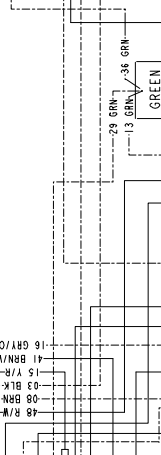
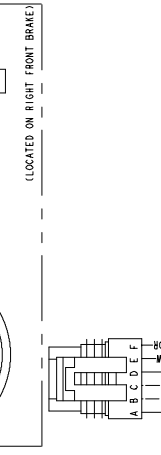
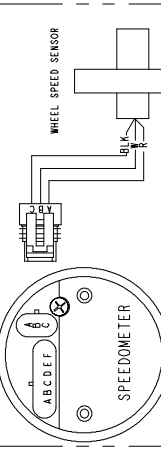
INDICATOR LAMPS
 (LOCATED BELOW HANDLEBARS)



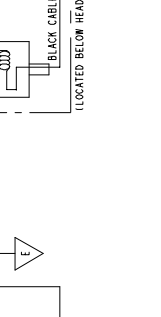
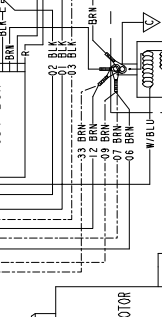
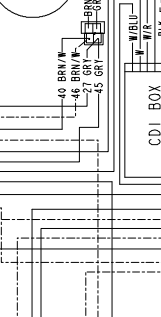
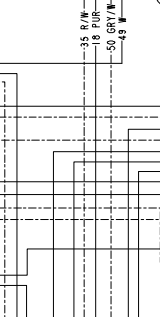
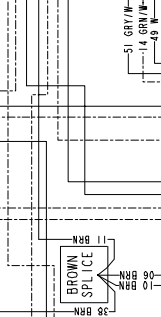
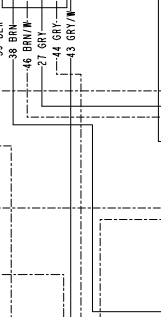
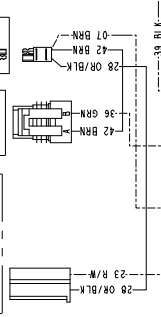
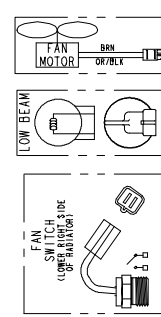
(LOCATED IN FRONT OF RADIATOR)



(LOCATED ON RIGHT FRONT BRAKE)



(LOCATED IN FRONT OF RADIATOR)



RESISTANCES (±20% @ 85°F/29°C)

COMPONENT	EARLY	LATE
CAPACITOR CHARGE COIL	GRN TO BLK/R 446 OHMS	BLK/R TO R 19 OHMS
TRIGGER COIL	GRN TO GND	NO CONNECTION
BATTERY COIL	W TO W/R 97 OHMS	NO CONNECTION
IGNITION COIL	Y TO Y/R 0.13 OHMS	0.22 OHMS
FRONT WHEEL DRIVE COILS	PRIMARY 0.3 OHMS	5000 OHMS (C&P)
REAR WHEEL DRIVE COILS	SECONDARY 5000 OHMS (C&P)	24 OHMS (E&H)

