

OWNER'S MANUAL SUPPLEMENT
500 XC, 500 XC SP
PN 9914861



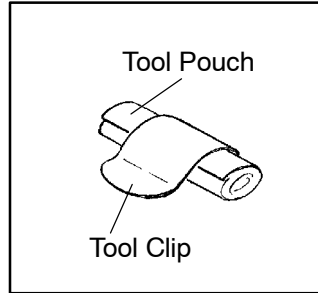
IMPORTANT: This is a supplement to your owner's manual. This information should remain with your owner's manual at all times.

Specifications

		500 XC	500 XC SP
C A P A C I T I E S A N D D I M E N S I O N S	Body Style	Gen II	Gen II
	Rider Capacity	1	1
	Coolant Capacity (qts)	3	3
	Chaincase Oil Capacity (oz.)	9	9
	Dry Weight ± 4 lbs.	480	480
	Fuel Tank Capacity	11.8	10.5
	Gearcase Oil Capacity (oz.)	Not Applicable	Not Applicable
	Height (in.)	46	46
	Length (in.)	109	109
	Oil Capacity (Quarts)	3	3
	Ski Center Distance (in.)	41	41
	Width (in.)	46.5	46.5
	Brake Type	Hyd Disc	Hyd Disc
	Drive Clutch Center Distance	12	12
	Clutch Type	P-85	P-85
	Track Length	121	121
	Track Width	15	15
	Drive Chain Length	70P (3/4)	70P (3/4)
	Reverse Transmission	Accessory	Accessory
	Sprocket Ratio	22:41	22:41
L I G H T S	Headlight Type	Halogen	Halogen
	Headlight (watts) Voltage	H=2x37.5 L = 60	H=2x37.5 L = 60
	Indicator Lights	Oil-Brake/Temp/Acc/Hi Beam	Oil-Brake/Temp/Acc/Hi Beam
	Thumbwarmer	Std-Hi/Lo	Std-Hi/Lo
	Handwarmer	Std Multi-range	Std Multi-range

		500 XC	500 XC SP
E N G I N E A N D C O O L I N G	Engine Model #	SN50-44-99A2	SN50-44-99A2
	Alternater Output	12V 280W	12V 280W
	Bore x Stroke (mm)	70.5 x 64	70.5 x 64
	Displacement	500	500
	Carburetor/Throttle Body	2 Mikuni	2 Mikuni
	Carburetor Model	TM38 Flatside	TM38 Flatside
	Main Jet	370	370
	Pilot Jet	45	45
	Jet Needle	9FH4-57-3	9FH4-57-3
	Needle jet	P-6	P-6
	Cutaway	1.5	1.5
	Pilot Screw	2.0	2.0
	Idle RPM ± 200	1500	1500
	Cooling	Liquid	Liquid
	Cylinders	2	2
	Ignition Timing	12° @ 3000	12° @ 3000
Ignition Type	Digital CDI	Digital CDI	
Oil Injection	Yes	Yes	
Spark Plug	RN2C Champ	RN2C Champ	
S U S P E N S I O N	Front Type	XC-10	XC-10
	IFS Shocks/Spring Adj.	Fox IFP / Thr Adj	Fox IFP / Thr Adj
	Rear Type	XTRA 10 RACE	XTRA 10 RACE
	Front Torque Arm Limiter	Quick Adj	Quick Adj
	Rear torque Arm Limiter	Quick Adj	Quick Adj
	Front Track Shock	FX	Fox IFP
	Rear Track Shock	Fox IFP Position Sensitive	Fox IFP Position Sensitive
F E A T U R E S	Electronic Fuel Gauge	Accessory	Not Available
	Electric Start	Not Available	Not Available
	Low Oil Indicator	Standard	Standard
	Parking Brake	Standard	Standard
	Speedometer	Standard	Standard
	Tachometer	Standard	Standard
	Easy Throttle	Not Available	Not Available
	Wear Strips	1" Cooler Strip	1" Cooler Strip

Your Polaris snowmobile is equipped with a tool pouch clip which is located inside of the flap on the back of the seat. Using this clip will secure the tools, preventing them from freely bouncing around during snowmobile use.



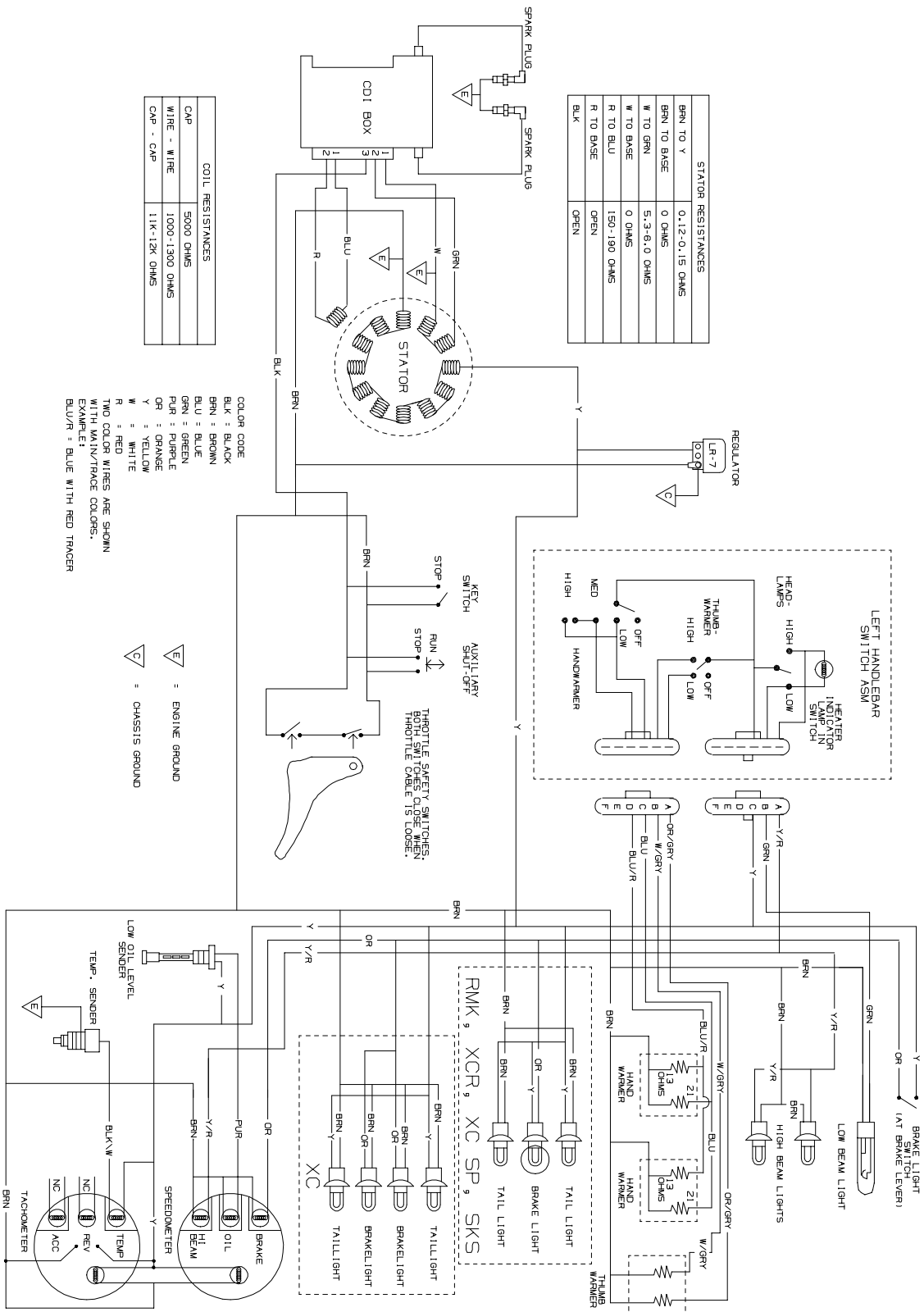
Carburetor Jetting

1999 500 XC, 500 XC SP
Engine Model: SN50-44-99A2

	AMBIENT TEMPERATURE	Below -20°F Below -29°C	-20°F to +10° -29°C to -12°C	+10°F - +40°F -12°C - +5°C	Above +40°F Above +5°C
Altitude Meters (Feet)	0-900 (0-3000)	380	370	350	330
	900-1800 (3000-6000)	340	320	300	290
	1800-2700 (6000-9000)	300	290	270	250
	2700-3700 (9000-12000)	270	260	240	220

- Shaded zone should drop Jet Needle one position (raise E-Clip)
- Production Setting
- Remove washer from underneath clip, place on top of needle

PN 9914861 Rev 01 5/98
 Printed in U.S.A.



STATOR RESISTANCES

BRN TO Y	0.12-0.15 OHMS
BRN TO BASE	0 OHMS
W TO GRN	5.3-6.0 OHMS
W TO BASE	0 OHMS
R TO BLU	150-190 OHMS
R TO BASE	OPEN
BLK	OPEN

COIL RESISTANCES

CAP	5000 OHMS
WIRE - WIRE	1000-1300 OHMS
CAP - CAP	11K-12K OHMS

COLOR CODE
 BLK : BLACK
 BRN : BROWN
 BLU : BLUE
 GRN : GREEN
 PUR : PURPLE
 OR : ORANGE
 Y : YELLOW
 W : WHITE
 R : RED
 TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS.
 EXAMPLE :
 BLU/R = BLUE WITH RED TRACER

= ENGINE GROUND
 = CHASSIS GROUND