

**OWNER'S MANUAL SUPPLEMENT  
600 XC SP, 600 XC and 700 XC  
PN 9914863**



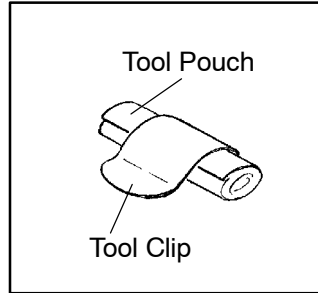
**IMPORTANT:** This is a supplement to your owner's manual. This information should remain with your owner's manual at all times.

**Specifications**

		<i>600 XC SP</i>	<i>600 XC</i>	<i>700 XC</i>
<b>C A P A C I T I E S  A N D  D I M E N S I O N S</b>	Body Style	Gen II	Gen II	Gen II
	Rider Capacity	1	1	1
	Coolant Capacity (qts)	3	3	3
	Chaincase Oil Capacity (oz.)	9	9	9
	Dry Weight ± 4 lbs.	483	486	487
	Fuel Tank Capacity	10.5	11.8	11.8
	Gearcase Oil Capacity (oz.)	Not Applicable	Not Applicable	Not Applicable
	Height (in.)	46	46	46
	Length (in.)	109	109	109
	Oil Capacity (Quarts)	3	3	3
	Ski Center Distance (in.)	41	41	41
	Width (in.)	46.5	46.5	46.5
	Brake Type	Liq Cooled Hyd Disc	Liq Cooled Hyd Disc	Liq Cooled Hyd Disc
	Drive Clutch Center Distance	12.5	12.5	12.5
	Clutch Type	P-85	P-85	P-85
	Track Length	121	121	121
	Track Width	15	15	15
	Drive Chain Length	70P (3/4)	70P (3/4)	70P (3/4)
	Reverse Transmission	Accessory	Accessory	Accessory
Sprocket Ratio	22:40	22:40	24:40	
<b>L I G H T S</b>	Headlight Type	Halogen	Halogen	Halogen
	Headlight (watts) Voltage	H=2x37.5 L = 60	H=2x37.5 L = 60	H=2x37.5 L = 60
	Indicator Lights	Oil-Brake/Temp/Hi Beam	Oil-Brake/Temp/Hi Beam	Oil-Brake/Temp/Hi Beam
	Thumbwarmer	Std-Hi/Lo	Std-Hi/Lo	Std-Hi/Lo
	Handwarmer	Std Multi-range	Std Multi-range	Std Multi-range

		<b>600 XC SP</b>	<b>600 XC</b>	<b>700 XC</b>
<b>E N G I N E  A N D  C O O L I N G</b>	Engine Model #	SN60-70-99A2	SN60-70-99A2	S70-70-99A2
	Alternater Output	12V 280W	12V 280W	12V 280W
	Bore x Stroke (mm)	74.5 x 68	74.5 x 68	81 x 68
	Displacement	593	593	701
	Carburetor/Throttle Body	2 Keihin	2 Keihin	2 Keihin
	Carburetor Model	PWK 39	PWK 39	PWK 39
	Main Jet	185	185	185
	Pilot Jet	38	38	38
	Jet Needle	R1368G-3	R1368G-3	R1368G-3
	Needle jet	2.9 Fixed	2.9 Fixed	2.9 Fixed
	Cutaway	5.5	5.5	5.5
	Air Screw	1.0	1.0	1.0
	Idle RPM ± 200	1500	1500	1500
	Cooling	Liquid	Liquid	Liquid
	Cylinders	2	2	2
	Ignition Timing	6° @ 1500	6° @ 1500	6° @ 1500
Ignition Type	Digital CDI	Digital CDI	Digital CDI	
Oil Injection	Yes	Yes	Yes	
Spark Plug	RN2C Champ	RN2C Champ	RN2C Champ	
<b>S U S P E N S I O N</b>	Front Type	XC-10	XC-10	XC-10
	IFS Shocks/Spring Adj.	Fox IFP / Thr Adj	Select Thr Adj	Select Thr Adj
	Rear Type	XTRA 10 RACE	XTRA 10 RACE	XTRA 10 RACE
	Front Torque Arm Limiter	Quick Adj	Quick Adj	Quick Adj
	Rear torque Arm Limiter	Quick Adj	Quick Adj	Quick Adj
	Front Track Shock	Fox IFP	Ryde FX	Ryde FX
	Rear Track Shock	Fox IFP Position Sensitive	Fox IFP Position Sensitive	Fox IFP Position Sensitive
<b>F E A T U R E S</b>	Electronic Fuel Gauge	Not Available	Accessory	Accessory
	Electric Start	Accessory	Accessory	Accessory
	Low Oil Indicator	Standard	Standard	Standard
	Parking Brake	Standard	Standard	Standard
	Speedometer	Standard	Standard	Standard
	Tachometer	Standard	Standard	Standard
	Easy Throttle	Accessory	Accessory	Accessory
	Wear Strips	1" Cooler Strip	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 600 XC, 600 XC SP

#### Engine Model: SN60-70-99A2

	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)	190	185	178	172
	900-1800 (3000-6000)	178	175	168	162
	1800-2700 (6000-9000)	170	165	158	155
	2700-3700 (9000-12000)	158	155	150	145


 - Shaded zone should drop Jet Needle one position (raise E-Clip)


 - Production Setting

### 1999 700 XC

#### Engine Model: S70-70-99A2

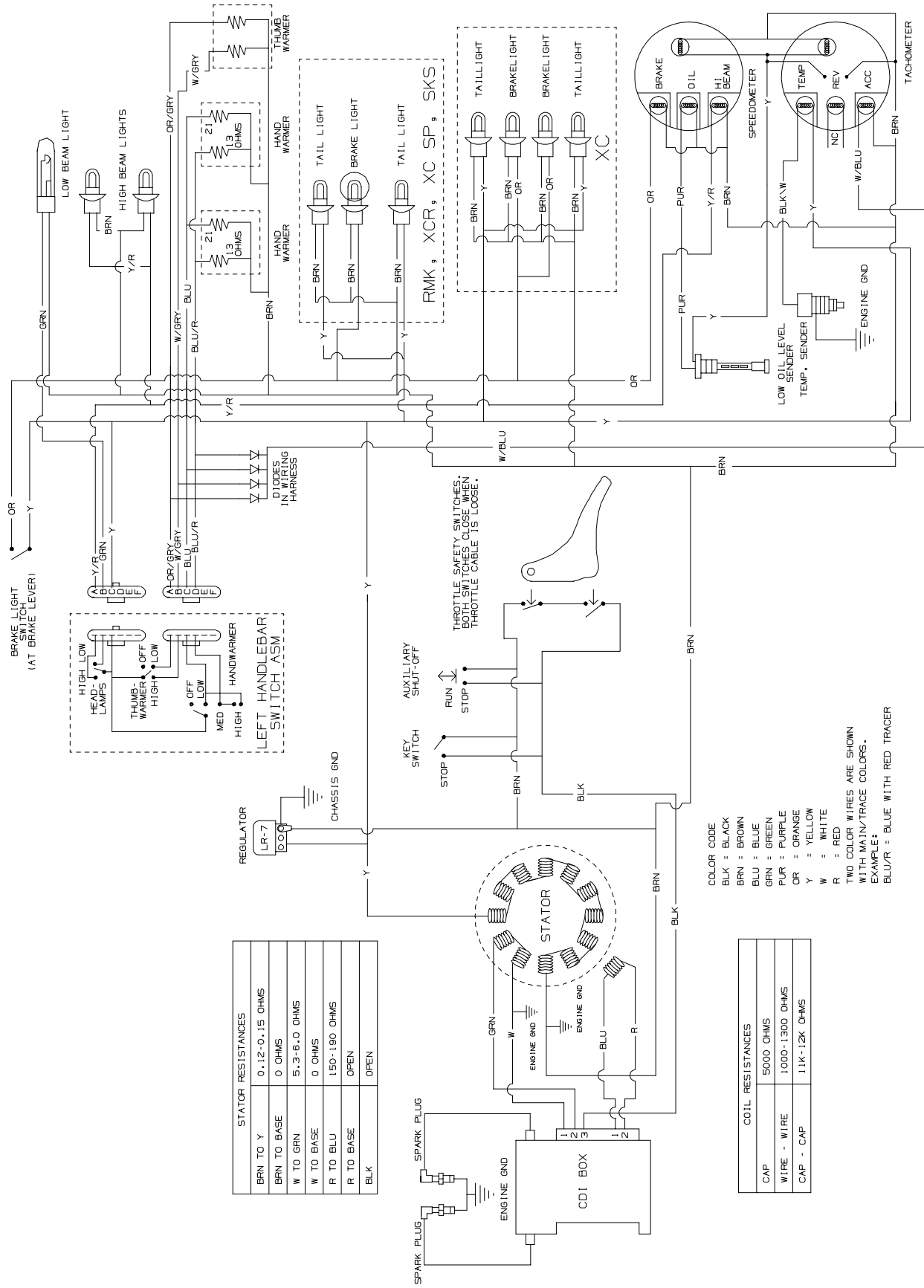
	AMBIENT TEMPERATURE	Below -20°F Below -29°C	-20°F to +10° -29°C to -12°C	+10°F - +40°F -12°C - +5°C	Above +40°F Above +5°C
Altitude Meters (Feet)	0-900 (0-3000)	Mag 195 PTO 190	Mag 190 PTO 185	Mag 182 PTO 178	Mag 178 PTO 172
	900-1800 (3000-6000)	Mag 182 PTO 178	Mag 180 PTO 175	Mag 172 PTO 168	Mag 168 PTO 162
	1800-2700 (6000-9000)	Mag 175 PTO 170	Mag 170 PTO 165	Mag 162 PTO 158	Mag 160 PTO 155
	2700-3700 (9000-12000)	Mag 162 PTO 158	Mag 160 PTO 155	Mag 155 PTO 150	Mag 150 PTO 145

 - Shaded zone should drop Jet Needle one position (raise E-Clip)

 - Production Setting

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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