

**OWNER'S MANUAL SUPPLEMENT**  
**2001 800 RMK 144**  
**PN 9916143**



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

**⚠ CAUTION**

When operating on icy or hard-packed trails, extra care should be given to avoid overheating the slide rail and track. The lack of lubrication and cooling will cause overheating of the slide rail and track, resulting in premature wear and failure. If frequently operating in low cooling conditions, see your dealer for an optional wheel kit to reduce the wear from overheating the slide rail.

<b>Capacities and Dimensions</b>	
Body Style	Gen 2
Rider Capacity	1
Coolant Capacity (qts)	5.5
Chaincase Oil Capacity (oz.)	9
DryWeight (Est.)	493 est
Fuel Tank capacity (Gallons)	12
Height (in.)	45
Length (in.)	119.75
Oil Capacity (Quarts)	3
Ski Center Distance (in.)	38.2/39.5
Width (in.)	44.25
Brake Type	Hydraulic
Drive Clutch Center Distance	12.5
Clutch Type	P-85
Track Width	15
Track Length	144
Drive Chain Length	68
Reverse Transmission	Optional
Sprocket Ratio	20:39
<b>Suspension</b>	
Front Type	38 Inch XC-10 CRC / 39.5" XC-10 CRC
IFS Shock Type	Nit Cell
Rear Type	Xtra-Lite 144
Front Torque Arm Limiter	STD
Rear Torque Arm Limiter	N/A
Front Track Shock	Nit Cell
Rear Track Shock	Sel

<b>Engine and Cooling</b>	
Engine Model Number	S8070POA2 2022
Alternator Output	280 watt
Bore x Stroke (mm)	85 x 70
Displacement	794
Carburetor/Throttle Body	1 Mikuni
Carburetor Model	TM40
Main Jet	M330/P310
Pilot Jet	55
Jet Needle	9EFY8-61-2
Needle Jet	P-8 (825)
Cutaway	2.0 Notch
Idle Mixture Screw	1.0 Turns
Idle RPM +/-200	1400
Cooling	Liquid
Cylinders	2
Ignition Timing	25° @ 3500
Ignition Type	Digital TPS
Oil Injection	Polaris Blue
Spark Plug	Champion RN 57YCC
<b>Features</b>	
Electric Fuel Gauge	Optional
Electric Start	Not Available
Low Oil Light	Standard
Parking Brake	Standard
Speedometer	Standard 5 Inch
Tachometer	Standard
Wear Strips	N/A
Hood Color	Rigel Blue

# Carburetor Jetting

# Clutching Chart

	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)	Shift Weight	Drive Clutch Spring	Driven Clutch Spring	Driven Helix	Chain-case Geariang
Altitude Meters (Feet)	0-900 (0-3000)	450/430 #4	420/400 #4	390/370 #4	370/350 #3	0-900	10-64	Almond Round	Silver/Blue	R-8 #2	20/39 68P
						900-1500 3000-5000	10-62	Almond Round	Silver/Blue	R-8 #2	20/39 68P
	900-1800 (3000-6000)	420/410 #3	390/370 #3	360/340 #3	340/310 #2	1500-2100 5000-7000	10-60	Almond Round	Silver/Blue	R-8 #2	20/39 68P
						2100-2700 7000-9000	10-58	Almond Round	Silver/Blue	R-8 #2	20/39 68P
	1800-2700 (6000-9000)	390/370 #3	360/340 #3	<b>330/310 #2</b>	310/290 #2	2700-3300 9000-11000	10-56	Almond Round	Silver/Blue	R-8 #2	20/39 68P
2700-3700 (9000-12000)	350/330 #2	320/300 #2	290/270 #2	270/250 #1	3300-3900 11000-13000	10-54	Almond Round	Silver/Blue	R-8 #2	20/39 68P	

- Production Setting

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