

**OWNER'S MANUAL SUPPLEMENT  
2001 MAGNUM 325 4X4  
PN 9916401**



**POLARIS<sup>®</sup>**  
**SALES INC.**

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

<b>Capacities</b>	
Body Style	Gen IV
Gross Vehicle Weight	1125
Fuel Capacity	3.75 U.S. Gal
Engine Oil Capacity	1.9 Quarts
Front Rack (Maximum - Capacity)	90 Lbs.
Rear Rack	180 Lbs.
Tongue Weight	30 Lbs.
Tow Hitch	Standard
Tow Capacity	850 lbs.
Turn Radius	65"
Ground Clearance	7.25"
Height	46"
Length	81"
Seat Height	34"
Dry Weight	620 lbs
Wheel Base	49.75"
Width	46"
<b>Drive System</b>	
Drive System Type	PVT
Shift Type	Side Lever
Front Drive (ratio)	3.7 / 1
Final Drive (ratio)	3.1 / 1
Front Tire	24 x 8 - 12
Rear Tire	24 x 11.5 - 10
Tire Pressure (front)	4
Tire Pressure (rear)	3

<b>Suspension and Brakes</b>	
Front Susp. - Mac Strut	6.7"
Rear Susp. - Progressive Rate Swing Arm	6.5"
Shock Adjustment	2" Gas Charged Mono-tube Cam
Front Brake	Hydraulic Disc
Rear Brake	Hydraulic Disc
Auxiliary Brake	Hydraulic Disc
Park Brake	Hydraulic Lock, All Wheel
<b>Engine &amp; Cooling</b>	
Engine Model Number	ES32PFE06
Engine Type	4 Stroke, Single Cylinder
Lubrication	Wet Sump
Bore x Stroke	78 x 68
Displacement	324 cc
Compression Ratio	9:2 Full Stroke
Engine Cooling	Air with Fan Assisted Oil Cooler
Alternator Output (watts)	200
Carburetion	1/BST31 (CV Type)
Main Jet	145
Pilot Jet	50
Needle Jet	P-2 (829)
Pilot Air Jet	175
Pilot Screw	2 Turns
Jet Needle	5F14-3
Ignition	CDI
Timing	30° @ 5000
Spark Plug Gap	.036 inches
Spark Plug Type	NGK BKR6E
Exhaust	USFS Approval Pending

Features	
Headlight (watts)	Grill - Hi / Low 30W
Taillight (watts)	12V / 8.26 W
Brake Light (watts)	12V / 26.9 W
3-Point Hitch	Accessory
Battery	12V / 14 AH
DC Plug In - Rear	Accessory
DC Socket - Forward	Accessory
Electric Start	Standard

High Beam Indicator	Standard
High Temp Indicator	Standard
Windshield	Accessory
Low Oil Light	N/A
Neutral Indicator	Standard
Reverse Indicator	Standard
Speedometer	Accessory
Tool Kit	Standard

### Carburetor Jetting

### Clutching Chart

Altitude	AMBIENT TEMPERATURE	Below +40° F Below +5° C	+40° F & Above +5° C & Above	Altitude	Shift Weight	Clutch Spring	Driven Helix	Driven Helix
Meters (Feet)	0-1800 (0-6000)	150	145	Meters (Feet)	0-1800 (0-6000)	16 5630279	Blue/ Green 7041157	Black 7041782 44-36° 5132344 2-2
	1800 & above (6000 & above)	142.5	137.5		1800 & above (6000 & above)	16 Mod 5630280	Blue/ Green 7041157	Black 7041782 44-36° 5132344 2-2

44 - 36° helix, black driven spring

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

JB 9-11-00

COLOR CODE:  
 ▽ = ENGINE GROUND  
 ▽ = CHASSIS GROUND

BLK = BLACK  
 BRN = BROWN  
 GRN = GREEN  
 PUR = PURPLE  
 BLU = BLUE  
 GRAY = GRAY  
 YEL = YELLOW  
 ORG = ORANGE  
 WHT = WHITE  
 R = RED  
 W = WHITE

SPlice LOCATED IN WIRE/BETWEEN EXITS TO  
 BREAKER SWITCH  
 INDICATOR LIGHTS  
 KEY SWITCH  
 CHASSIS GROUND

TWO COLOR WIRES ARE SHOWN WITH  
 MAIN TRACE COLOR, EXAMPLES:  
 NC = SWITCH NORMALLY CLOSED  
 NO = SWITCH NORMALLY OPEN

THERMISTOR RESISTANCE  
 17 °C 25 100.00  
 37 °C 25 100.00  
 240 118 2400 FAN OFF (TEMP FALLING)  
 260 127 2510 FAN ON (TEMP RISING)  
 295 143 1607 HOT LIGHT ON/OFF

SOLID STATIC RELAY  
 OUTPUTS  
 17 °C 25 100.00  
 37 °C 25 100.00  
 240 118 2400 FAN OFF (TEMP FALLING)  
 260 127 2510 FAN ON (TEMP RISING)  
 295 143 1607 HOT LIGHT ON/OFF

BOTH LAMP AND FAN SHOULD BE ON WITH  
 THERMISTOR LEADS SHORTED TO EACH OTHER.

ACCESSORY LEADS  
 (LOCATED BELOW HEAD LAMP)

LEFT HANDLEBAR  
 SWITCH ASSEMBLY

ENGINE STARTSWITCH

TAIL LAMP

BRAKE LAMP SWITCH  
 (CLOSED WITH MAIN BRAKE WHEEL)

HEADLAMP (LOCATED IN FRONT OF GAS TANK)

HEADLAMP (LOCATED IN FRONT OF GAS TANK)

FAN MOTOR (LOCATED RIGHT FRONT SIDE OF GAS TANK)

VOLTAGE REGULATOR LR 35

REVERSE SPEED LIMITER

THERMISTOR (ON OIL COOLER)

LR 60

20 AMP CIRCUIT BREAKER

STARTER SOLENOID  
 (LOCATED IN FRONT OF BATTERY)

HEADLAMP (LOCATED IN FRONT OF GAS TANK)

HEADLAMP (LOCATED IN FRONT OF GAS TANK)

HEADLAMP (LOCATED IN FRONT OF GAS TANK)

