

OWNER'S MANUAL SUPPLEMENT

2003 500 MAGNUM 4x4, HDS



POLARIS
The Way Out.

IMPORTANT: Keep this supplement with your owner's manual at all times.

Capacities	
Body Style	Gen IV
Gross Vehicle Weight	1150
Fuel Capacity	3.25 U.S. Gallons
Transmission Oil	400 ml
Front Housing Gearcase Oil	400 ml
Rear Housing Gearcase Oil	300 ml
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	7.25"
Height	47.5"
Length	81"
Seat Height	34"
Dry Weight	649 Lbs.
Wheel Base	49.75"
Width	46"
Drive System	
Drive System Type	PVT
Shift Type	Drum Shift (P-H-L-R-N)
Front Tire	25 x 8-12 / 4psi
Rear Tire	25 x 11-12 / 3 psi
Suspension and Brakes	
Front Susp. - Mac Strut	6.7"
Rear Susp. - Prog. Rate Swing Arm	6.5"
Shock Adjustment	CAM
Front Brake	Fxd disc, hydr floating caliper
Rear Brake	Hydraulic Floating Caliper
Auxiliary Brake	Hydraulic Floating Caliper
Park Brake	Hydraulic Lock/All Wheel

Engine & Cooling	
Engine Model Number	EH-50PLE-08
Engine Type	4 Cycle, Single Cylinder
Lubrication	Dry Sump
Bore x Stroke	92 x 75 mm
Displacement	498
Compression Ratio	10:2 Full Stroke
Engine Cooling	Liquid
Alternator Output (watts)	250
Carburetion	1/BST34
Main Jet	157.5
Pilot Jet	40
Needle Jet	Q-0
Pilot Screw	2 5/8 Turns
Jet Needle	4HB40-2
Ignition	CDI
Timing	30° @ 3500 ± 1.5°
Spark Plug Gap	.7 mm/.028 in.
Spark Plug Type	BKR5E
Exhaust	USFS Approved
Features	
Headlight (watts)	1 single beam/60 Grill - 2 single beam/27
Taillight (watts)	8.26
Brake Light (watts)	26.9
3-Point Hitch	Accessory
Battery	12V 14 AH
DC Plug In - Rear	Accessory
Electric Start	Standard
High Beam Indicator	Standard
High Temp Indicator	Standard
Windshield	Accessory
Low Oil Light	Not Applicable
Neutral Indicator	Standard
Reverse Indicator	Standard
Speedometer	Standard
Tool Kit	Standard

Carburetor Jetting

Altitude	AMBIENT TEMPERATURE	Below +40° F Below +5° C	+40° F & Above +5° C & Above
Meters (Feet)	0-1800 (0-6000)	162.5	157.5
	1800 & above (6000 & above)	155	150

Clutching Chart

Altitude	Shift Weight	Drive Clutch Spring	Driven-Clutch Spring	Helix Spring
Meters (Feet)	0-1800 (0-6000)	10MH 5630513	Blue/ Green 7041157	White/ Yellow 7041635
	1800 & above (6000 & above)	10WH 5630710	Blue/ Green 7041157	White/ Yellow 7041635

*EBS Models require no spring/helix adjustment