

GENERAL INFORMATION

2012 Sportsman 500 H.O.

MODEL NUMBER:

A12MH50AX, AZ, AD, AQ, FF, FY, FX

ENGINE MODEL: EH500PLE13B



Category	Dimension / Capacity
Length	83 in./210.8 cm
Width	48 in./121.9 cm
Height	48 in./121.9 cm
Wheel Base	50.75 in./128.9 cm
Ground Clearance	11.25 in./28.6 cm
Dry Weight	696 lbs./313 kg (Wet weight model FF, FY, FX) 776 lbs./352 kg)
Front Rack/Box Capacity	90 lbs./40.8 kg
Rear Rack Capacity	180 lbs./81.6 kg
Max. Weight Capacity	485 lbs./220 kg
Towing Capacity	1225 lbs./555.7 kg
Unbraked Trailer Towing Capacity (EU)* NOTE: *Data based on EU Directive: 76/432/EEC	1786 lbs./810 kg
Hitch Tongue Capacity	120 lbs./54.4 kg Rear rack capacity and tongue weight not to exceed 180 lbs./82 kg

Engine	
Platform	Fuji Single Cylinder
Engine Model Number	EH500PLE13B
Engine Displacement	498cc
Number of Cylinders	1
Bore & Stroke (mm)	92 x 75 mm
Compression Ratio	10.2:1
Compression Pressure	70-90 psi W/Compression Release
Engine Idle Speed	1200+/- 200 RPM
Engine Max Operating Rpm	7000 Rpm ± 200 Rpm
Cooling System / Capacity	Liquid - 2.7 qt / 2.5 litre
Overheat Warning	HOT on Instrument Cluster
Lubrication	Pressurized Dry Sump
Oil Requirements / Capacity	Polaris 2W-50/ 2 qt / 1.9 litre
Exhaust System	Single Pipe USFS Approved
Fuel System	
Carburetor	Mikuni B-ST 40mm
Main Jet	150
Pilot Jet	40
Jet Needle / Clip Position	6MGH1-94-3
Needle Jet	X-6M
Pilot Screw	1 Turn Out (initial)
Pilot Air Jet	40
Float Height	14.7mm ± 1 (.58 ± 0.40")
Fuel Delivery	Fuel Pump
Fuel Capacity / Requirement	4.25 gal US / 15.5 liters 87 Octane (minimum) or 89 Oxygenated
Electrical	
Alternator Output	260 w @ 3000 RPM
Voltage Regulator	3-phase PDM
Lights : Pod	50 watts
Orill	2 x 50 watts
Brake	26.9 watts
Tail	8.26 watts
Ignition System	DC/CDI Ignition
Ignition Timing	30°± 2° BTDC @ 5000 RPM
Spark plug / Gap	BKR6E / .035 in. / 0.9 mm.
Battery	Maintenance-Free / 12 Amp Hr.
Circuit Protection	5 / 15 / 20 Amp Fuses 10 Amp Circuit Breaker - Fan
Starting	Electric
Instrument Cluster	Analog Speedo w/ LCD

80 Polaris Sportsman Touring 500 Manual

Penton Staff



80 Polaris Sportsman Touring 500 Manual:

Focus on Farming ,2005 Popular Mechanics ,2000-01 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle

Polaris Sportsman 400, 450 & 500 1996-2013 Manual Penton Staff,2000-05-24 Sportman 400 2001 2005 Sportsman 450 2006 2007 Sportsman 450 Browning Edition 2006 Sportsman 500 1996 2010 Sportsman 500 RSE 2000 2002 Sportsman 500 DUSE 2001 2002 Sportsman 500 HO 2001 2006 2008 2010 Sportsman 500 X2 2006 2010 Sp **Polaris Sportsman 600, 700, & 800 Series 2002-2010** Penton Staff,2000-05-24 Sportsman 600 2003 2005 Sportsman 700 2002 2006 Sportsman 700 EFI 2004 2007 Sportsman 700 EFI X2 2008 Sportsman MV7 2005 2006 Sportsman 800 EFI 2005 2010 Sportsman 800 EFI X2 2007 2009 Sportsman 800 EFI Touring 2008 2009 **Polaris ATV Owners Workshop Manual** Alan Ahlstrand,John

Harold Haynes,2004 The purpose of this manual is to help you get the best value from your ATV It can help you decide what work must be done even if you choose to have it done by a dealer service department or a repair shop it provides information and procedures for routine maintenance and servicing and it offers diagnostic and repair procedures to follow when trouble occurs This book should allow you to tackle any job yourself nbs **Yamaha DT 50 & 80 Trail Bikes Owners Workshop**

Manual Chris Rogers,1983-01-01 **Clymer Polaris Sportsman 400, 450 & 500, 1996-2010** Ed Scott,2010 **Yamaha DT50 and 80 Trail Bikes Owner's Workshop Manual** Chris Rogers,Jeremy Churchill,Pete Shoemark,1992 **Yamaha DT50 and 80 Trail Bikes** Chris Rogers,Pete Shoemark,Jeremy Churchill,1994 **Yamaha DT50 & 80 Trail Bikes Owners Workshop Manual** Chris Rogers,Pete Shoemark,Jeremy Churchill,1988 Clymer Polaris RZR 800 2008-2014

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Yamaha RD50 & 80 Owners Workshop Manual Jeremy Churchill,1986

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 - Chapter 1: Introduction to 80 Polaris Sportsman Touring 500 Manual
 - Chapter 2: Essential Elements of 80 Polaris Sportsman Touring 500 Manual
 - Chapter 3: 80 Polaris Sportsman Touring 500 Manual in Everyday Life
 - Chapter 4: 80 Polaris Sportsman Touring 500 Manual in Specific Contexts
 - Chapter 5: Conclusion
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- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of 80 Polaris Sportsman Touring 500 Manual.

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