OWNER'S MANUAL SUPPLEMENT 1999 SPORTSMAN 335



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

Specifications

		Sportsman 335
	Body Style	Gen IV
	Gross Vehicle Weight	1200 Lbs.
	Fuel Capacity	3.75 U.S. Gallons
	Gearcase Oil	32 oz.
	Oil Capacity	2.25 U.S. Quarts
	Front Rack (Maximum - Capacity)	90 Lbs.
CA	Rear Rack (Maximum - Caacity)	180 Lbs.
PA	Tongue Weight	30 Lbs.
C	Tow Hitch	Standard
Ϊ́τ	Tow Capacity	850 Lbs
E	Turn Radius	65"
S	Ground Clearance	9.5"
	Height	45.5"
	Length	81"
	Seat Height	34"
	Weight	670 Lbs.
	Wheel Base	50.50"
	Width	46"
_	Drive System Type	PVT
D R	Shift Type	Side Lever (L, R, H/F)
I V	Gear Reduction - Low	6.89:1
Ě	Gear Reduction - Reverse	5.17:1
s	Gear Reduction - Foward	3.56:1
Υ	Front Drive (ratio)	2:1
S T E M	Final Drive (ratio)	3.16:1
	Center Drive (ratio)	Not Applicable
	Drive Chain	Not Applicable
T	Front Tire	23 x 7 - 10
l R	Rear Tire	24 x 11 - 10
E S	Tire Pressure (front)	5
	Tire Pressure (rear)	5

		Sportsman 335	
	Front Susp Mac Strut	6.25" Travel	
S U S	Rear Susp Mono	Progressive Rate Fully Independent with Anti-Roll Bar	
Р	Shock Adjustment	CAM	
B R A K E S	Front Brake	Fixed Disc Hydraulic Floating Caliper	
	Rear Brake	Single Lever Hydraulic Caliper	
	Auxiliary Brake	Hydraulic Disc Dual Floating Caliper	
	Park Brake	Hydraulic Lock / All Wheel	
	Engine Model Number	ES33PFE01	
	Engine Type	4 Cycle, Single Cylinder	
	Lubrication	Dry Sump	
	Bore x Stroke	78 x 70 mm	
E N	Displacement	334 cc	
G	Compression Ratio	9.2:1 Effective	
N	Engine Cooling	Air Cooled with Fan Assisted Oil Cooler	
E	Alternator Output (watts)	200	
&	Carburetion	1/BST34 (CV Type)	
С	Main Jet	150	
0	Pilot Jet	40	
L	Needle Jet	P-9	
N	Cut Away	Not Applicable	
G	Air Screw	2.5	
	Valve Seat		
	Jet Needle	5F14-3	
	Ignition	CDI	
	Timing	30° @ 3500	
	Spark Plug Gap	.028	
	Spark Plug Type	BKR7E (NGK)	
	Exhaust	UFSF Approved	
LI	Headlight (watts)	60 (1 pod headlight) (2 grill headlights)	
G H T	Taillight (watts)	8.26	
s	Brake Light (watts)	26.9	

		Sportsman 335
	3-Point Hitch	Accessory
	Battery	12V 14AH
	DC Plug In - Rear	Standard
F	DC Socket - Forward	Standard
E A	Electric Start	Standard
Т	High Beam Indicator	Standard
U R	High Temp Indicator	Standard
EES	Windshield	Accessory
	Low Oil Light	Not Available
	Neutral Indicator	Standard
	Reverse Indicator	Standard
	Speedometer	Standard
	Tool Kit	Standard

SPORTSMAN 335 (Engine - ES-33PFE-01) Carburetor Jetting

Altitude	Ambient Temperature	Below 0°F (Below -18°C)	0° to 40°F (-18°C to +5°C)	+40° to +80°F (+5°C to +26°C)	+80°F & Above (+26°C & Above)
Meters (Feet)	0-900 (0-3000)	162.5	155	150	145
,	900-1800 (3000-6000)	155	150	145	137.5
,	1800-2700 (6000-9000)	147.5	142.5	137.5	132.5
	2700-3700 (9000-12000)	140	135	130	125

- Pilot screw in 1/2 turn - Pilot screw out 1/2 turn

Clutching

Altitude		Shift Weight	Clutch Spring	Driven Helix
Meters (Feet)	0-900 (0-3000)			2-2
	900-1800 (3000-6000)	16	Blue/Green	2-1
	1800-2700 (6000-9000)	16 mod	Blue/Green	2-2
	2700-3700 (9000-12000)	16 mod	Blue/Green	2-2

Carrying Loads

Model	Total Load Capacity	Front Rack	Rear Rack
	(includes driver & cargo)	Cargo Maximum	Cargo Maximum
Sportsman 335	470 lbs.	90 lbs.	180 lbs.
	(213 kg)	(41 kg)	(82 kg)

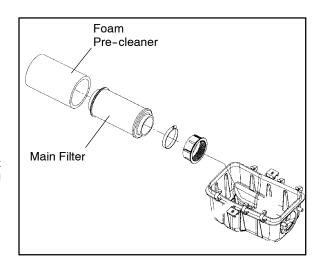
Optional Suspension Springs

SOFT< → FIRM

Sportsman 335 4x4 - Rear Compression Spring	7041517-067	7041546-067	7041519-067
	OPTION	STANDARD	OPTION
	80 lb/in	100 lb/in	140 lb/in
Sportsman 335 4x4 - Front Strut Spring	7041238-067	7041375-067	7041450-067
	OPTION	STANDARD	OPTION
	61 lb/in	64/113 lb/in	101 lb/in

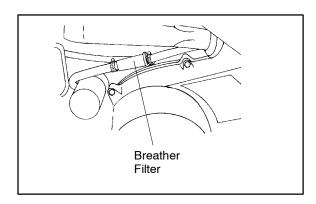
Air Filter Service

- 1. Remove seat.
- 2. Remove wingnuts securing the airbox lid and remove lid.
- 3. Pull foam breather filter out.
- 4. Loosen clamp and remove filter.
- 5. Remove foam pre-cleaner from main filter.
- 6. Wash the pre-filter in soapy water and dry it.
- 7. Install dry pre-filter over new main filter and reinstall.
- 8. Push foam breather filter straight down into airbox until flush with upper edge of box. Make certain foam is flush with front edge of airbox so air cannot enter engine breather fitting hole without first passing through the foam.



Breather Filter and Hose

- Remove the clamps and pull the filter out of the hoses. NOTE: It will not be necessary to remove the lower hose from the engine.
- 2. Inspect filter for debris. Blow through gently in direction of arrow on filter to check for clogging. Replace as needed.
- Check hoses for cracks, deterioration, abrasion, or leaks. Replace as needed.
- 4. Reinstall filter and clamps with arrow pointing toward engine. NOTE: The breather filter is intended to be used with airbox pre-filter in place. Without the pre-filter, the breather filter can clog quickly. Never operate the ATV without the pre-filter.



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