

OWNER'S MANUAL SUPPLEMENT

2003 TRAIL BOSS 330



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

Capacities	
Body Style	Gen IV
Gross Vehicle Weight	845 lbs.
Fuel Capacity	3.25 U.S. gal.
Gearcase Oil	11 oz.
Engine Oil Capacity	1.9 qts. (includes oil cooler) 1.7 qts. (oil change only)
Front Rack	75 lbs.
Rear Rack	125 lbs.
Tongue Weight	85 lbs.
Tow Hitch	Standard
Hitch Towing Rating	850 lbs
Unbraked Trailer Towing Capacity*	1263 lbs./573 kg
Turn Radius	60"
Ground Clearance	5.5"
Height	46"
Length	75"
Seat Height	34"
Dry Weight	505"
Wheel Base	49.5"
Width	46"
Engine & Cooling	
Engine Model Number	ES-32PFE-10
Engine Type	4 Cycle, Single Cylinder
Lubrication	Wet Sump
Bore x Stroke	78.5 x 68
Displacement	329
Compression Ratio	9.0/1
Engine Cooling	Air with fan assisted oil cooler
Alternator Output (watts)	210
Carburetion	BST34
Main Jet	122.5
Pilot Jet	42.5
Needle Jet	P-0 (829)
Pilot Air Jet	160
Pilot Screw	2.0+ turns
Jet Needle	J8-4HB48
Ignition	DC CDI
Timing	30° ± 2° @ 5000 RPM
Spark Plug Gap	.036 in/.9 mm
Spark Plug Type	BKR6E
Exhaust	USFS Appr.

Drive System	
Drive System Type	PVT
Shift Type	Side Lever (F-R-N)
Gear Reduction - Low	Not Applicable
Gear Reduction - Reverse	3.05/1
Gear Reduction - Forward	2.68/1
Front Drive (ratio)	Not Applicable
Final Drive (ratio)	11/40 78P
Center Drive (ratio)	Not Applicable
Drive Chain	520 O-Ring
Front Tire	23 x 7-10
Rear Tire	22 x 11-10
Tire Pressure (front)	4 psi
Tire Pressure (rear)	3 psi
Suspension and Brakes	
Front Susp. - Mac Strut	6.7" Travel
Rear Susp. - Prog. Rate Swing Arm	9" Travel
Shock Adjustment	CAM
Front Brake	Fixed disc, hydraulic floating caliper
Rear Brake	Hydraulic, opposed piston caliper, rear axle fixed disc
Auxiliary Brake	Hydraulic, opposed piston, caliper, rear axle fixed disc
Park Brake	Hydraulic lock, all wheel
Features	
Headlight (watts)	2 Dual Beam 30/30
Taillight (watts)	8.26
Brake Light (watts)	26.9
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	Not Applicable
Neutral Indicator	Standard
Reverse Indicator	Standard
Speedometer	Accessory
Tool Kit	Standard

* Based on EU Directive 76/432/EC

Carburetor Jetting

Altitude	AMBIENT TEMPERATURE	Below +40° F Below +5° C	+40° F & Above +5° C & Above
Meters (Feet)	0-1800 (0-6000)	117.5	122.5
	1800 & above (6000 & above)	120	115

Clutching Chart

Altitude	Shift Weight	Drive Clutch Spring	Driven Clutch Spring	Driven Helix
Meters (Feet)	0-1800 (0-6000)	20-40 5631356	Blue/ Gray 7042202	Black 7041782 41-37 5132344 2+2
	1800 & above (6000 & above)	20-38 5631357	Blue/ Gray 7042202	Black 7041782 41-37 5132344 2+2