

2001 BMW R 1100 SA			
Importer: BMW of North America, Inc.		*Actual Price Determined by Dealer	
Manufacturer: BMW AG, Munich, Germany		Price excludes taxes, license, options, and handling charges.	
Mfr.'s Suggested Retail Price: *\$15,600.00		MSRP includes equalized freight	
Engine		Brakes	
Type	Air cooled/Oil cooled twin cylinder	Brake system	FAG antilock brake system - ABS II
Bore x stroke	99 mm x 70.5 mm	Front brakes	two 4-piston calipers, wear compensation
Displacement	1085 cc	Front rotors	dual 12.0 inch floating rotor
Horsepower	98 bhp @ 7500 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	70 lb.-ft. @ 5750 rpm	Rear brake	single two-piston floating caliper
Compression ratio	11.3:1	Rear rotor	single 10.9 inch fixed rotor
Valve gear	HC, chain-driven	Actuation method	hydraulic, DOT 4 fluid type
Valves	2x34 mm intake / 2x29 mm exhaust	Wheels and Tires	
Valve timing	intake opens 5 degrees after TDC	Front wheel	3.50 x 17 MT-H2, cast light alloy
(measured at 3 mm valve clearance)	intake closes 33 degrees after BDC	Rear wheel	5.00 x 17 MT-H2, cast light alloy
	exhaust opens 27 degrees before BDC	Front tire	120/70 - ZR 17 tubeless
	exhaust closes 5 degrees before TDC	Rear tire	170/60 - ZR 17 tubeless
Valves per cylinder	four	Dimensions	
Camshafts	300 degrees	Overall length	85.8 inches (2180 mm)
Engine oil capacity	4.3 quarts of SG, SH motor oil, also w/CD or CE	Overall width	22.8 inches (580 mm) (across footrest)
Engine oil filter	spin-on Micronic filter cartridge	Wheelbase	58.2 inches (1478 mm) (unladen)
Carburetion	fuel injection and electronic ignition MA 2.4	Ground clearance	5.9 inches (150 mm) (unladen)
Ignition	controlled by Bosch Motronic MA 2.4	Seat height	31.5 inches (800 mm)
		Handlebar width	29.9 inches (760 mm)(with weights)
Fuel demand	unleaded, premium, 91 AKI	Steering angle	65.0 degrees
Fuel tank	aluminum tank with enclosed fuel pump & filter	Front wheel trail	3.9 inches (100 mm) (unladen)
Fuel capacity	4.75 U.S. gallons including 1 gal. reserve	Weight - dry	487 lbs.
Air Filter	Plate-type	Weight - wet	504 lbs.
Charging system	14 V, 50 Amp Alternator (700 W)	Maximum load	992 lbs. gross vehicle weight rating
Battery	BMW Mareg, 19 Amp/h low maintenance	Wheel load	Front=397 lbs
Cooling system	combined air/oil cooled	limits	Rear=661 lbs
Drivetrain		Available colors	
Primary drive	helical-cut gears with tensioner	Marrakesh Red #733	Frost Blue #758 Black /Yellow #807
Clutch	165 mm dry, single plate with hydraulic actuation	Mandarin/silver #747	Phoenix #789 Special Model - \$15,990
Gear ratios	1st gear: 2.045:1	Standard Equipment	
	4th gear: 1.038:1	-Integral sport half-fairing with windshield	
	2nd gear: 1.600:1	-6 speed transmission	
	3rd gear: 1.267:1	-Single key system for all locks	
Drive system	enclosed driveshaft with two universal joints	-Integrated ignition switch and steering lock	
	and integral torsional damper	-Hazard warning flashers	
Final drive	spiral bevel gears, 2.75:1 ratio	-Light Telelever front suspension	
Frame and Suspension		-Electronically-controlled 3-way catalytic converter	
Frame	New 3-section frame concept	-Center stand	
Front suspension	Light Telelever with central spring strut & progressive spring and variable rebound damping.	-Heated handlebar grips	
Travel / dimensions	4.33 inches / 35 mm fixed tube diameter	-High handlebar mounts	
Rear suspension	Patented BMW Paralever swingarm & shaft drive, single shock with variable rebound damping		
Travel / dimensions	5.12 inches, progressive spring, hydraulic pre-load adjustment		
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