

# 2001 BMW R 1100 S

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr.'s Suggested Retail Price: \*\$13,900.00

\*Actual Price Determined by Dealer

Price excludes taxes, license, options, and handling charges.

MSRP includes equalized freight

Engine		Brakes		
Type	Air cooled/Oil cooled twin cylinder	Brake system		
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 (measured at 3 mm valve clearance)	intake opens 5 degrees after TDC intake closes 33 degrees after BDC exhaust opens 27 degrees before BDC exhaust closes 5 degrees before TDC	Front wheel	3.50 x 17 MT-H2, cast light alloy	
		Rear wheel	5.00 x 17 MT-H2, cast light alloy	
		Front tire	120/70 - ZR 17 tubeless	
		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 controlled by Bosch Motronic MA 2.4	Ground clearance	5.9 inches (150 mm) (unladen)	
Ignition		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 (600 W)	Maximum load	992 lbs. gross vehicle weight rating	
Battery	BMW Mareg, 15 Amp/h low maintenance	Wheel load limits	Front=397 lbs Rear=661 lbs	
Cooling system	combined air/oil cooled	Available colors		
Drivetrain				
Primary drive	helical-cut gears with tensioner	Marrakesh Red #733	Frost Blue #758	
Clutch	165 mm dry, single plate with hydraulic actuation	Mandarin/silver #747	Phoenix #789	
Gear ratios	1st gear: 2.045:1 2nd gear: 1.600:1 3rd gear: 1.267:1	4th gear: 1.038:1 5th gear: 0.900:1 6th gear 0.800:1	Standard Equipment	
Drive system	enclosed driveshaft with two universal joints and integral torsional damper		-Integral sport half-fairing with windshield	
Final drive	spiral bevel gears, 2.75:1 ratio		-6 speed transmission	
Frame and Suspension			-Single key system for all locks	
Frame	New 3-section frame concept		-Integrated ignition switch and steering lock	
Front suspension	Light Telelever with central spring strut & progressive spring and variable rebound damping.		-Hazard warning flashers	
Travel / dimensions	4.33 inches / 35 mm fixed tube diameter		-Light Telelever front suspension	
Rear suspension	Patented BMW Paralever swingarm & shaft drive, single shock with variable rebound damping		-Electronically-controlled 3-way catalytic converter	
Travel / dimensions	5.12 inches, progressive spring, hydraulic pre-load adjustment		-Center stand	
			-Heated handlebar grips	
			-High handlebar mounts	

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