

# Service-Information Motorcycle



©BMW of N.A.  
Service Department

Group: 00  
Maintenance &  
General Hints

January, 1993  
00 087 92  
(2569)

For USA Only

## Specification - 1993 Models

Attached are general specifications for the 1993 model line, which covers the following.

- Engine
- Drive Train
- Frame and Suspension
- Brakes
- Wheels and Tires
- Dimensions
- Available Colors
- Standard Equipment

Very truly yours,

BMW of North America, Inc.

Frank Stevens  
National Service Manager  
Motorcycle Group

Richard Dampf  
National Technical Manager

FS:tb/438

Please initial and route to the following before filing

Service	Parts	Sales	Warranty	Technicians

★ ★ Maintaining The Obsession ★ ★

# 1993 BMW K1100RS

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr's Suggested Retail Price: \*\$13,990.00

\*Actual Price Determined by Dealer

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

Engine		Brakes	
Type	liquid-cooled, four stroke inline 4-cylinder	Brake system	BMW / FAG anti-lock brake system
Bore x stroke	70.5 mm x 70.0 mm	Front brakes	two 4-piston calipers, angular wear compensation
Displacement	1093 cc	Front rotors	dual 12.0 inch floating rotor
Horsepower	100 Bhp @ 7750 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	77.3 lb.-ft. @ 5500 rpm	Rear brake	one double-action 2-piston caliper
Compression ratio	11.0:1	Rear rotor	single 11.2 inch diameter fixed rotor
Valve gear	DOHC, chain-driven	Actuation method	hydraulic, DOT 4 fluid type
Valves	2 x 26.5 mm intake / 2 x 23.0 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	intake opens 14 degrees after TDC intake closes 18 degrees after BDC exhaust opens 18 degrees before BDC exhaust closes 14 degrees before TDC	Front wheel	3.50 x 17 MT-H2 cast alloy, 3-spoke U-profile
Valves per cylinder	four	Rear wheel	4.50 x 18 MT-H2 cast alloy, 3-spoke U-profile
Camshafts	256 degrees	Front tire	120/70 - VR17 tubeless
Engine oil capacity	4 quarts of SF,SG motor oil	Rear tire	160/60 - VR18 tubeless
Engine oil filter	enclosed spin-on Micronic filter cartridge	Dimensions	
Carburetion	fuel injection and electronic ignition	Overall length	87.8 inches (2230 mm)
Ignition	controlled by Bosch Motronic MA 2.1 Digital Motor Electronics	Overall width	31.6 inches (803 mm) (over mirrors)
Fuel demand	unleaded, middle-grade premium, 89 (AKI)	Wheelbase	61.6 inches (1565 mm) (without rider)
Fuel tank	aluminum tank with enclosed fuel pump & filter	Ground clearance	4.9 inches (125 mm) (without rider)
Fuel capacity	5.2 U.S. gallons including 1.3 gal. reserve	Seat height	31.5 inches (800 mm)
Air Filter	Micronic plate-type element	Handlebar width	28.0 inches (710 mm)
Charging system	14 V, 50 Amp Alternator (700 W)	Steering head angle	64 degrees
Battery	BMW Mareg, 19 Amp/h low maintenance	Front wheel trail	3.74 inches (95 mm) (with rider)
Cooling system	liquid cooled, controlled via thermostat	Weight - dry	564 lbs.
Drivetrain		Weight - wet	617 lbs.
Primary drive	helical-cut gears with tensioner	Maximum load	1069 lbs. gross vehicle weight rating
Clutch	180 mm dry, single plate with diaphragm spring	Axle load distribution	40% / 51% - unladen 46% / 54% - with rider
Gear ratios	1st gear: 4.49:1      4th gear: 1.88:1 2nd gear: 2.96:1      5th gear: 1.61:1 3rd gear: 2.30:1	Available colors	
Drive system	enclosed driveshaft with two universal joints and integral torsional damper	Classic black #670	Mystic red #689      Silk blue #690
Final drive	spiral bevel gears, 2.82:1 ratio (31/11)	Astral blue #691	
Frame and Suspension		Standard Equipment	
Frame	tubular steel, engine as a structural component	- Integral sport-touring fairing with full lower protection	
Front suspension	telescopic fork with progressive spring character, refillable "cartridge type damper" system	- Single key lock system for ignition, steering, fuel cap, seat storage compartment locks	
Travel / dimensions	5.3 inches / 41.7 mm stanchion tube diameter	- Integrated ignition and steering lock	
Rear suspension	monolever swingarm, patented BMW Paralever shaft drive, variable rebound damping	- Rear storage compartment including 16 piece tool kit and tire repair kit	
Travel / dimensions	4.7 inches, progressive spring, 5 preload positions	- Fuel capacity and coolant temperature gauges	
		- Dual tone horns	
		- Hazard warning flashers	
		- Digital clock	
		- Power accessory socket	

# 1993 BMW K1100LT

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr's Suggested Retail Price: \*\$14,890.00

\*Actual Price Determined by Dealer

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

Engine		Drakes	
Type	liquid-cooled, four stroke inline 4-cylinder	Brake system	BMW / FAG anti-lock brake system
Bore x stroke	70.5 mm x 70.0 mm	Front brakes	two 4-piston calipers, angular wear compensation
Displacement	1093 cc	Front rotors	dual 12.0 inch floating rotor
Horsepower	100 Bhp @ 7750 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	77.3 lb.-ft. @ 5500 rpm	Rear brake	one double-action 2-piston caliper
Compression ratio	11.0:1	Rear rotor	single 11.2 inch diameter fixed rotor
Valve gear	DOHC, chain-driven	Actuation method	hydraulic, DOT 4 fluid type
Valves	2 x 26.5 mm intake / 2 x 23.0 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	intake opens 14 degrees after TDC intake closes 18 degrees after BDC exhaust opens 18 degrees before BDC exhaust closes 14 degrees before TDC	Front wheel	2.50 x 18MT-H2 cast alloy, 3-spoke U-profile
Valves per cylinder	four	Rear wheel	3.00 x 17MT-H2 cast alloy, 3-spoke U-profile
Camshafts	256 degrees	Front tire	110/80 - VB18 tubeless
Engine oil capacity	4 quarts of SF,SG motor oil	Rear tire	140/80 - VB17 tubeless
Engine oil filter	enclosed spin-on Micronic filter cartridge	Dimensions	
Carburetion	fuel injection and electronic ignition	Overall length	88.6 inches (2250 mm)
Ignition	controlled by Bosch Motronic MA 2.1 Digital Motor Electronics	Overall width	36.0 inches (915 mm) (over mirrors)
Fuel demand	unleaded, middle-grade premium, 89 (AK1)	Wheelbase	61.6 inches (1565 mm) (without rider)
Fuel tank	aluminum tank with enclosed fuel pump & filter	Ground clearance	4.9 inches (125 mm) (without rider)
Fuel capacity	5.2 U.S. gallons including 1.3 gal. reserve	Seat height	31.0 inches (790 mm)
Air Filter	Micronic plate-type element	Handlebar width	30.1 inches (765 mm)
Charging system	14 V, 50 Amp Alternator (700 W)	Steering head angle	63 degrees
Battery	BMW Mareg, 19 Amp/h low maintenance	Front wheel trail	3.98 inches (101 mm) (with rider)
Cooling system	liquid cooled, controlled via thermostat	Weight - dry	551 lbs.
Drivetrain		Weight - wet	639 lbs.
Primary drive	helical-cut gears with tensioner	Maximum load	1102 lbs. gross vehicle weight rating
Clutch	180 mm dry, single plate with diaphragm spring	Axle load distribution	50% / 50% - unladen 46.4% / 53.6% - with rider
Gear ratios	1st gear: 4.49:1      4th gear: 1.88:1 2nd gear: 2.96:1      5th gear: 1.61:1 3rd gear: 2.30:1	Available colors	
Drive system	enclosed driveshaft with two universal joints and integral torsional damper	Classic black #670	Mystic red #689      Astral blue #691
Final drive	spiral bevel gears, 2.91:1 ratio (32/11)	Pacific green #683	Silk blue #690
Frame and Suspension		Standard Equipment	
Frame	tubular steel, engine as a structural component	-Touring fairing with integrated lower protection, storage compartments	
Front suspension	telescopic fork with progressive spring character, refillable "cartridge type damper" system	-Electronically adjustable windshield	
Travel / dimensions	5.3 inches / 41.7 mm struction tube diameter	-Integral luggage cases with painted lids	
Rear suspension	monolever swingarm, patented BMW Paralever shaft drive, variable rebound damping	-Removable top box with painted lid, integral back rest pad	
Travel / dimensions	4.7 inches, progressive spring, 5 preload positions	-Integrated ignition and steering lock, engine protection bars	
		-Single key lock system for ignition, steering, fuel cap, seat, storage compartments, integral cases and top box locks	
		-BMW anti-theft AM-FM radio with cassette, remote controller	
		-Rear storage compartment including 16 piece tool kit and tire repair kit	
		-Heated handlebar grips, map reading light, dual touch horns	
		-Fuel capacity and coolant temperature gauges, digital clock	
		-Hazard warning flashers, power accessory sockets	

Copyright 1992 BMW of North America, Inc., Woodcliff Lake, New Jersey. All rights reserved.

# 1993 BMW K1

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr's Suggested Retail Price: \*\$14,290.00

\*Actual Price Determined by Dealer

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

Engine		Brakes	
Type	liquid-cooled, four stroke inline 4-cylinder	Brake system	BMW / FAG anti-lock brake system
Bore x stroke	67.0 mm x 70.0 mm	Front brakes	two 4-piston calipers, angular wear compensation
Displacement	987 cc	Front rotors	dual 12.0 inch floating rotor
Horsepower	95 Bhp @ 7500 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	72.3 lb.-ft. @ 6250 rpm	Rear brake	one double-action 2-piston caliper
Compression ratio	11.0:1	Rear rotor	single 11.2 inch diameter fixed rotor
Valve gear	DOHC, chain-driven	Actuation method	hydraulic, DOT 4 fluid type
Valves	2 x 26.5 mm intake / 2 x 23.0 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	intake opens 10 degrees after TDC intake closes 14 degrees after BDC exhaust opens 26 degrees before BDC exhaust closes 22 degrees before TDC	Front wheel	3.50 x 17 MT-H2 cast alloy, 3-spoke U-profile
Valves per cylinder	four	Rear wheel	4.50 x 18 MT-H2 cast alloy, 3-spoke U-profile
Camshafts	256 degrees	Front tire	120/70 - VR17 tubeless
Engine oil capacity	4 quarts of SF,SG motor oil	Rear tire	160/60 - VR18 tubeless
Engine oil filter	enclosed spin-on Micronic filter cartridge	Dimensions	
Carburetion	fuel injection and electronic ignition	Overall length	87.8 inches (2230 mm)
Ignition	controlled by Bosch Motronic MA 3.1 Digital Motor Electronics	Overall width	34.4 inches (875 mm) (over mirrors)
Fuel demand	unleaded, middle-grade premium, 89 (AKI)	Wheelbase	61.6 inches (1565 mm) (without rider)
Fuel tank	aluminum tank with enclosed fuel pump & filter	Ground clearance	5.5 inches (140 mm) (without rider)
Fuel capacity	5.2 U.S. gallons including 1.3 gal. reserve	Seat height	30.7 inches (780 mm)
Air Filter	Micronic plate-type element	Handlebar width	29.1 inches (740 mm)
Charging system	14 V, 33 Amp Alternator (460 W)	Steering head angle	63 degrees
Battery	BMW Mareg, 25 Amp/h	Front wheel trail	3.74 inches (95 mm) (with rider)
Cooling system	liquid cooled, controlled via thermostat	Weight - dry	538 lbs.
Drivetrain		Weight - wet	591 lbs.
Primary drive	helical-cut gears with tensioner	Maximum load	1058 lbs. gross vehicle weight rating
Clutch	180 mm dia, single plate with diaphragm spring	Axle load distribution	49% / 51% - unladen 46% / 54% - with rider
Gear ratios	1st gear: 4.49:1      4th gear: 1.88:1 2nd gear: 2.96:1      5th gear: 1.61:1 3rd gear: 2.30:1	Available colors	
Drive system	enclosed driveshaft with two universal joints and integral torsional damper	Classic black #670	Silk blue #690
Final drive	spiral bevel gears, 2.75:1 ratio (33/12)	Standard Equipment	
Frame and Suspension		- Integrated sports fairing with storage compartment	
Frame	tubular steel, engine as a structural component	- Integrated ignition and steering lock	
Front suspension	telescopic fork with progressive spring character, oil damping with fixed damping rates	- Single key lock system for ignition, steering, fuel cap, seat, storage compartment locks	
Travel / dimensions	5.3 inches / 41.7 mm stanchion tube diameter	- Removable passenger seat cover with cushion adjustable in 2 positions	
Rear suspension	monolever swingarm, patented BMW Paralever shaft drive, variable rebound damping	- Fuel capacity and coolant temperature gauges	
Travel / dimensions	4.7 inches, progressive spring, 5 preload positions	- Heated handlebar grips	
		- Accessory power socket	
		- Digital clock	
		- Integrated lockable rear storage compartments	
		- 16 piece tool kit and tire repair kit	
		- Hazard warning flashers	

Copyright 1992 BMW of North America, Inc., Woodcliff Lake, New Jersey. All rights reserved.

# 1993 BMW K75RT

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr's Suggested Retail Price: \*\$10,290.00

\*Actual Price Determined by Dealer.

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

Engine		Brakes	
Type	liquid-cooled, four stroke inline 3-cylinder	Brake system	BMW / FAG anti-lock brake system
Bore x stroke	67.0 mm x 70.0 mm	Front brakes	two 2-piston calipers double action calipers
Displacement	740 cc	Front rotors	dual 11.2 inch fixed rotor
Horsepower	70 Bhp @ 8500 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	50.4 lb.-ft. @ 6750 rpm	Rear brake	one double-action 2-piston caliper
Compression ratio	10.5:1	Rear rotor	single 11.2 inch diameter fixed rotor
Valve gear	DOHC, chain-driven	Actuation method	hydraulic, DOT 4 fluid type
Valves	1 x 34.0 mm intake / 1 x 30.0 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	intake opens 5 degrees after TDC intake closes 27 degrees after BDC exhaust opens 28 degrees before BDC exhaust closes 5 degrees before TDC	Front wheel	2.50 x 18 MT-H2 cast alloy, Y-spoke, H-profile
Valves per cylinder	two	Rear wheel	2.75 x 17 MT-H2 cast alloy, Y-spoke, H-profile
Camsshafts	256 degrees	Front tire	100/90V - 18 tubeless
Engine oil capacity	4 quarts of SF,SG motor oil	Rear tire	130/90V - 17 tubeless
Engine oil filter	enclosed spin-on Micronic filter cartridge	Dimensions	
Ignition	transistorized breakerless	Overall length	87.8 inches (2230 mm)
Carburetion	controlled by Bosch L Jetronic fuel injection	Overall width	36.2 inches (920 mm) (over mirrors)
Fuel demand	unleaded, regular grade, 87 (AKI)	Wheelbase	59.7 inches (1516mm) (without rider)
Fuel tank	aluminum tank with enclosed fuel pump & filter	Ground clearance	5.9 inches (150 mm) (without rider)
Fuel capacity	5.2 U.S. gallons including 1.3 gal. reserve	Seat height	31.9 inches (810 mm)
Air Filter	Micronic plate-type element	Handlebar width	28.1 inches (715 mm)
Charging system	14 V, 33 Amp Alternator (460 W)	Steering head angle	62 degrees, 30 minutes
Battery	BMW Mareg, 25 Amp/h	Front wheel trail	3.98 inches (101mm) (with rider)
Cooling system	liquid cooled, controlled via thermostat	Weight - dry	542 lbs.
Drivetrain		Weight - wet	595 lbs.
Primary drive	straight-cut gears with tensioner	Maximum load	1058 lbs. gross vehicle weight rating
Clutch	165 mm dry, single plate with diaphragm spring	Axle load distribution	47% / 53% - unladen 44% / 56% - with rider
Gear ratios	1st gear: 4.49:1      4th gear: 1.88:1 2nd gear: 2.96:1      5th gear: 1.67:1 3rd gear: 2.30:1	Available colors	
Drive system	enclosed driveshaft with one universal joint and integral torsional damper	Classic black #670	Mystic red #689      Silk blue #690
Final drive	spiral bevel gears, 3.20:1 ratio (32/10)	Actual blue #691	
Frame and Suspension		Standard Equipment	
Frame	tubular steel, engine as a structural component	- Integral touring fairing with full lower protection and lockable storage compartments	
Front suspension	telescopic fork with progressive spring character, oil damping with fixed damping rates	- Single key lock system for ignition, steering, fuel cap, seat, storage compartment locks	
Travel / dimensions	5.3 inches / 41.4 mm stanchion tube diameter	- Rear storage compartment including 16 piece tool kit and tire repair kit	
Rear suspension	Patented BMW Monolever swingarm shaft drive with single gas-filled shock	- Holders for integral touring cases	
Travel / dimensions	4.3 inches, progressive spring, 3 preload positions	- Luggage rack	
		- Hazard warning flashers	
		- Digital clock	
		- Power accessory socket	
		- Dual tone horns	

# 1993 BMW K75S

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr's Suggested Retail Price: \*\$9,290.00

\*Actual Price Determined by Dealer. Price includes optional ABS.

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

Engine		Brakes	
Type	liquid-cooled, four stroke inline 3-cylinder	Brake system	Optional BMW/FAG anti-lock brake system
Bore x stroke	67.0 mm x 70.0 mm	Front brakes	two 2-piston calipers double action calipers
Displacement	740 cc	Front rotors	dual 11.2 inch fixed rotor
Horsepower	70 Bhp @ 8500 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	50.4 lb.-ft. @ 6750 rpm	Rear brake	one double-action 2-piston caliper
Compression ratio	10.5:1	Rear rotor	single 11.2 inch diameter fixed rotor
Valve gear	DOHC, chain-driven	Actuation method	hydraulic, DOT 4 fluid type
Valves	1 x 34.0 mm intake / 1 x 30.0 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	intake opens 5 degrees after TDC intake closes 27 degrees after BDC exhaust opens 28 degrees before BDC exhaust closes 5 degrees before TDC	Front wheel	2.50 x 18 MT-H2 cast alloy, Y-spoke, H-profile
Valves per cylinder	two	Rear wheel	3.00 x 17 MT-H2 cast alloy, Y-spoke, H-profile
Camshafts	256 degrees	Front tire	100/90V - 18 tubeless
Engine oil capacity	4 quarts of SF.SG motor oil	Rear tire	130/90V - 17 tubeless
Engine oil filter	enclosed spin-on Micronic filter cartridge	Dimensions	
Ignition	transistorized breakerless	Overall length	87.8 inches (2230 mm)
Carburetion	controlled by Bosch L-Jetronic fuel injection	Overall width	33.0 inches (838 mm) (over mirrors)
Fuel demand	unleaded, regular grade, 87 (AKI)	Wheelbase	59.7 inches (1516mm) (without rider)
Fuel tank	aluminum tank with enclosed fuel pump & filter	Ground clearance	5.9 inches (150 mm) (without rider)
Fuel capacity	5.2 U.S. gallons including 1.3 gal. reserve	Seat height	31.9 inches (810 mm)
Air Filter	Micronic plate-type element	Handlebar width	25.6 inches (650 mm)
Charging system	14 V, 33 Amp Alternator (460 W)	Steering head angle	62 degrees, 30 minutes
Battery	BMW Mareg, 25 Amp/h	Front wheel trail	3.98 inches (101mm) (with rider)
Cooling system	liquid cooled, controlled via thermostat	Weight - dry	465 lbs., + 26 lbs for ABS
Drivetrain		Weight - wet	517 lbs. + 26 lbs. for ABS
Primary drive	straight-cut gears with tensioner	Maximum load	1058 lbs. gross vehicle weight rating
Clutch	165 mm dry, single plate with diaphragm spring	Axle load distribution	46% / 54% - unladen 43% / 57% - with rider
Gear ratios	1st gear: 4.49:1      4th gear: 1.88:1 2nd gear: 2.96:1      5th gear: 1.67:1 3rd gear: 2.30:1	Available colors	
Drive system	enclosed driveshaft with one universal joint and integral torsional damper	Classic black #670	Mystic red #689      Silk blue #690
Final drive	spiral bevel gears, 3.20:1 ratio (32/10)	Astral blue #691	
Frame and Suspension		Standard Equipment	
Frame	tubular steel, engine as a structural component	- Integral sports fairing with engine spoiler	
Front suspension	telescopic fork with progressive spring character, oil damping with fixed damping rates	- Rear storage compartment including 16 piece tool kit and tire repair kit	
Travel / dimensions	5.3 inches / 41.4 mm stanchion tube diameter	- Single key lock system for ignition, steering, fuel cap and seat locks	
Rear suspension	Patented BMW Monolever swingarm shaft drive with single gas-filled shock	- Digital clock	
Travel / dimensions	4.3 inches, progressive spring, 3 preload positions	- Hazard warning flashers	
		- Power accessory socket	
		- Dual tone horns	

# 1993 BMW K75

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr's Suggested Retail Price: \*\$6,590.00

\*Actual Price Determined by Dealer. Price does not include optional ABS.

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

Engine		Brakes	
Type	liquid-cooled, four stroke inline 3-cylinder	Brake system	Optional BMW/FAG anti-lock brake system
Bore x stroke	67.0 mm x 70.0 mm	Front brakes	two 2-piston calipers double action calipers
Displacement	740 cc	Front rotors	dual 11.2 inch fixed rotor
Horsepower	70 Bhp @ 8500 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	50.4 lb.-ft. @ 6750 rpm	Rear brake	one double-action 2-piston caliper
Compression ratio	10.5:1	Rear rotor	single 11.2 inch diameter fixed rotor
Valve gear	DOHC, chain-driven	Actuation method	hydraulic, DOT 4 fluid type
Valves	1 x 34.0 mm intake / 1 x 30.0 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	intake opens 5 degrees after TDC intake closes 27 degrees after BDC exhaust opens 28 degrees before BDC exhaust closes 5 degrees before TDC	Front wheel	2.50 x 18 MT-H2 cast alloy, Y-spoke, H-profile
Valves per cylinder	two	Rear wheel	2.75 x 17 MT-H2 cast alloy, Y-spoke, H-profile
Camshafts	256 degrees	front tire	100/90V - 18 tubeless
Engine oil capacity	4 quarts of SF,SG motor oil	Rear tire	130/90V - 17 tubeless
Engine oil filter	enclosed spin-on Micronic filter cartridge	Dimensions	
Ignition	transistorized breakerless	Overall length	87.4 inches (2220 mm)
Carburetion	controlled by Bosch L-Jetronic fuel injection	Overall width	35.4 inches (900 mm) (over mirrors)
Fuel demand	unleaded, regular grade, 87 (AKI)	Wheelbase	59.7 inches (1516mm) (without rider)
Fuel tank	aluminum tank with enclosed fuel pump & filter	Ground clearance	5.9 inches (150 mm) (without rider)
Fuel capacity	3.2 U.S. gallons including 1.5 gal. reserve	Seat height	29.0 inches (760 mm)
Air Filter	Micronic plate-type element	Handlebar width	28.1 inches (715 mm)
Charging system	14 V, 33 Amp Alternator (460 W)	Steering head angle	62 degrees, 30 minutes
Battery	BMW Mareg, 25 Amp/h	Front wheel trail	3.98 inches (101mm) (with rider)
Cooling system	liquid cooled, controlled via thermostat	weight - dry	450 lbs., + 26 lbs for ABS
Drivetrain		Weight - wet	500 lbs. + 26 lbs. for ABS
Primary drive	straight-cut gears with tensioner	Maximum load	1058 lbs. gross vehicle weight rating
Clutch	165 mm dry, single plate with diaphragm spring	Axle load distribution	46% / 54% - unladen 43% / 57% - with rider
Gear ratios	1st gear: 4.49:1      4th gear: 1.88:1 2nd gear: 2.96:1      5th gear: 1.67:1 3rd gear: 2.30:1	Available colors	
Drive system	enclosed driveshaft with one universal joint and integral torsional damper	Classic black #670	Mystic red #689      Silk blue #690
Final drive	spiral bevel gears, 3.20:1 ratio (32/10)	Astral blue #601	
Frame and Suspension		Standard Equipment	
Frame	tubular steel, engine as a structural component	- Knee cushions with integrated side bezels	
Front suspension	telescopic fork with progressive spring character, oil damping with fixed damping rates	- Rear storage compartment including 16 piece tool kit and tire repair kit	
Travel / dimensions	< 3 inches / 41.4 mm stanchion tube diameter	- Single key lock system for ignition, steering, fuel cap and seat locks	
Rear suspension	Patented BMW Monolever swingarm shaft drive with single gas-filled shock	- Foam handlebar grips	
Travel / dimensions	4.3 inches, progressive spring, 3 preload positions	- Hazard warning flashers	
		- Power accessory socket	
		- Digital clock	

# 1993 BMW R100R

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr's Suggested Retail Price: \*\$8,240.00

\*Actual Price Determined by Dealer.

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

Engine		Brakes	
Type	air-cooled, four stroke, opposed 2-cylinder	Brake system	
Bore x stroke	94.0 mm x 70.6 mm	Front brakes	two 4-piston calipers, angular wear compensation
Displacement	980 cc	Front rotors	dual 11.2 inch floating rotors
Horsepower	58 Bhp @ 6500 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	56.0 lb.-ft. @ 3750 rpm	Rear brake	one drum brake with dual brake shoes
Compression ratio	8.5:1	Rear drum	single 7.9 inch diameter drum
Valve gear	OHV, push-rod actuated	Actuation method	bowden cable operated
Valves	1 x 42.0 mm intake / 1 x 40.0 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	intake opens 16 degrees before TDC intake closes 44 degrees before BDC exhaust opens 30 degrees before BDC exhaust closes 4 degrees after TDC	Front wheel	2.50 x 18 MT-H2 patented cross spoke, alloy rim
Valves per cylinder	two	Rear wheel	2.50 x 17 MT-H2 patented cross spoke, alloy rim
Camshafts	308 degrees	Front tire	110/80V - 18 T tubeless
Engine oil capacity	2.6 quarts of SF,SG motor oil	Rear tire	140/80V - 17 T tubeless
Engine oil filter	enclosed Micronic filter cartridge	Dimensions	
Ignition	transistorized breakerless	Overall length	87.0 inches (2210 mm)
Carburetion	two 37 mm Ring constant-velocity with manual choke via variable fuel/air enrichment	Overall width	39.4 inches (1000 mm) (over mirrors)
Fuel demand	unleaded, regular grade, 87 (AKI)	Wheelbase	58.8 inches (1495 mm) (without rider)
Fuel tank	steel tank, twin fuel valves with integral strainers	Ground clearance	6.7 inches (170 mm) (with rider)
Fuel capacity	5.7 U.S. gallons including 1.0 gal. reserve	Seat height	31.5 inches (800 mm)
Air Filter	Micronic plate-type element	Handlebar width	28.3 inches (720 mm)
Charging system	14 V, 17 Amp Alternator (240 W)	Steering head angle	61 degrees, 30 minutes
Battery	BMW Mareg, 25 Amp/h	Front wheel trail	3.9 inches (99 mm) (with rider)
Cooling system	air cooled, partial flow oil cooler assisted	Weight - dry	434 lbs.
Drivetrain		Weight - wet	481 lbs.
Primary drive	helical-cut gears with tensioner	Maximum load	926 lbs. gross vehicle weight rating
Clutch	165 mm dry, single plate with diaphragm spring	Axle load distribution	48% / 52% - unladen 44% / 56% - with rider
Gear ratios	1st gear: 4.40:1      4th gear: 1.67:1 2nd gear: 2.86:1      5th gear: 1.50:1 3rd gear: 2.07:1	Available colors	
Drive system	enclosed driveshaft with two universal joints and integral torsional damper	Classic Black #656	Mystic Red #689      Turquoise Green #525
Final drive	spiral bevel gears, 3.09:1 ratio (34/11)	Standard Equipment	
Frame and Suspension		- Cylinder protection bars with integrated sidestand	
Frame	tubular steel, double front downtubes	- Adjustable high rise handlebars	
Front suspension	telescopic fork with progressive spring character, oil damping with fixed damping rates	- Single key lock system for ignition, steering, fuel cap and seat locks	
Tire / dimensions	5.3 inches / 41.4 mm stanchion tube diameter	- Storage compartment with 22 piece tool kit and tire repair kit.	
Rear suspension	Patented BMW Paralever swingarm shaft drive with single gas-filled shock	- Power accessory socket	
Tire / dimensions	4.3 inches, progressive spring, 6 preload positions	- Dual seat with luggage rack	
		- Dual front disc brakes	
		- Engine oil cooler	



# 1993 BMW R100GS

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr's Suggested Retail Price: \*\$7,790.00

\*Actual Price Determined by Dealer.

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

Engine		Brakes	
Type	air-cooled, four stroke, opposed 2-cylinder	Brake system	
Bore x stroke	94.0 mm x 70.6 mm	Front brakes	one 2-piston double action caliper
Displacement	980 cc	Front rotors	single 11.2 inch floating rotor
Horsepower	58 Bhp @ 6500 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	56.0 lb.-ft. @ 3750 rpm	Rear brake	one drum brake with dual brake shoes
Compression ratio	8.5:1	Rear drum	single 7.9 inch diameter drum
Valve gear	OHV, push-rod actuated	Actuation method	tension cable operated
Valves	1 x 42.0 mm intake / 1 x 40.0 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm clearance)	intake opens 16 degrees before TDC intake closes 44 degrees before BDC exhaust opens 50 degrees before BDC exhaust closes 4 degrees after TDC	Front wheel	1.85 x 21 MT-H2 patented cross spoke, alloy rim
Valves per cylinder	two	Rear wheel	2.5 - 17 MT-H2 patented cross spoke, alloy rim
Camshafts	308 degrees	Front tire	90/90 - 21 T tubeless
Engine oil capacity	2.4 quarts of SF,SG motor oil	Rear tire	130/80 - 17 T tubeless
Engine oil filter	enclosed Micronic filter cartridge	Dimensions	
Ignition	transistorized breakerless	Overall length	90.2 inches (2290 mm)
Carburetion	two 32 mm Bing constant-velocity with manual choke via variable fuel/air enrichment	Overall width	39.4 inches (1000 mm) (over mirrors)
Fuel demand	unleaded, regular grade, 87 (AKI)	Wheelbase	59.6 inches (1513 mm) (without rider)
Fuel tank	steel tank, twin fuel valves with integral strainers	Ground clearance	6.7 inches (170 mm) (without rider)
Fuel capacity	5.7 U.S. gallons including 1.0 gal. reserve	Seat height	33.5 inches (850 mm)
Air Filter	Micronic plate-type element	Handlebar width	32.7 inches (830 mm)
Charging system	14 V, 17 Amp Alternator (240 W)	Steering head angle	62 degrees
Battery	BMW Mareg, 25 Amp/h	Front wheel trail	3.9 inches (99 mm) (with rider)
Cooling system	air cooled, partial flow oil cooler assisted	Weight - dry	434 lbs.
Drivetrain		Weight - wet	485 lbs.
Primary drive	helical-cut gears with tensioner	Maximum load	926 lbs. gross vehicle weight rating
Clutch	165 mm dry, single plate with diaphragm spring	Axle load distribution	46% / 54% - unladen 43% / 57% - with rider
Gear ratios	1st gear: 4.40:1      4th gear: 1.67:1 2nd gear: 2.86:1      5th gear: 1.50:1 3rd gear: 2.07:1	Available colors	
Drive system	enclosed driveshaft with two universal joints and integral torsional damper	Avus Black / Yellow #640      Mystic Red #689	
Final drive	spiral bevel gears, 3.09:1 ratio (34/11)	Alpine White / Maracab Red #659	
Frame and Suspension		Standard Equipment	
Frame	tubular steel, double front downtubes	- Frame mounted fairing with headlight grill and adjustable windshield	
Front suspension	telescopic fork with progressive spring character, oil damping with fixed damping rates	- Adjustable high rise handlebars	
Travel / dimensions	8.8 inches / 40.0 mm stanchion tube diameter	- Single key lock system for ignition, steering, fuel cap and seat locks	
Rear suspension	Patented BMW Paralever swingarm shaft drive with single gas-filled shock	- Low mounted front fender	
Travel / dimensions	7.0 inches, progressive spring, 4 preload positions	- Storage compartment with 22 piece tool kit and tire repair kit.	
		- Power accessory socket	
		- Dual seat with luggage rack	
		- Cylinder protection bars with integrated sidestand	
		- Engine protection plate	

# 1993 BMW R100GS/P-D

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr's Suggested Retail Price: \*\$8,790.00

\*Actual Price Determined by Dealer.

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

Engine		Brakes	
Type	air-cooled, four stroke, opposed 2-cylinder	Brake system	
Bore x stroke	94.0 mm x 70.6 mm	Front brakes	one 2-piston double action caliper
Displacement	980 cc	Front rotors	single 11.2 inch floating rotor
Horsepower	58 Bhp @ 6500 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	56.0 lb.-ft. @ 3750 rpm	Rear brake	one drum brake with dual brake shoes
Compression ratio	8.5:1	Rear drum	single 7.9 inch diameter drum
Valve gear	OHV, push-rod actuated	Actuation method	bowden cable operated
Valves	1 x 42.0 mm intake / 1 x 40.0 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm clearance)	intake opens 16 degrees before TDC intake closes 44 degrees before BDC exhaust opens 50 degrees before BDC exhaust closes 4 degrees after TDC	Front wheel	1.85 x 21 MT-H2 patented cross spoke, alloy rim
Valves per cylinder	two	Rear wheel	2.5 - 17 MT-H2 patented cross spoke, alloy rim
Camshafts	308 degrees	Front tire	90/90 - 21 T tubeless
Engine oil capacity	2.4 quarts of SF,SG motor oil	Rear tire	130/80 - 17 T tubeless
Engine oil filter	enclosed Micronic filter cartridge	Dimensions	
Ignition	transistorized breakerless	Overall length	90.2 inches (2290 mm)
Carburetion	two 37 mm Ring constant-velocity with manual choke via variable fuel/air enrichment	Overall width	39.4 inches (1000 mm) (over mirrors)
Fuel demand	unleaded, regular grade, 87 (AKI)	Wheelbase	59.6 inches (1513 mm) (without rider)
Fuel tank	plastic tank, twin fuel valves with integral strainers	Ground clearance	6.7 inches (170 mm) (without rider)
Fuel capacity	9.25 U.S. gallons including 1.3 gal. reserve	Seat height	33.5 inches (850 mm)
Air Filter	Micronic plate-type element	Handlebar width	32.7 inches (830 mm)
Charging system	14 V, 17 Amp Alternator (240 W)	Steering head angle	62 degrees
Battery	BMW Mareg, 25 Amp/h	Front wheel trail	3.9 inches (99 mm) (with rider)
Cooling system	air cooled, partial flow oil cooler assisted	Weight - dry	443 lbs.
Drivetrain		Weight - wet	520 lbs.
Primary drive	helical-cut gears with tensioner	Maximum load	926 lbs. gross vehicle weight rating
Clutch	165 mm dry, single plate with diaphragm spring	Axle load distribution	46% / 54% - unladen 43% / 57% - with rider
Gear ratios	1st gear: 4.40:1      4th gear: 1.67:1 2nd gear: 2.86:1      5th gear: 1.50:1 3rd gear: 2.07:1	Available colors	
Drive system	enclosed driveshaft with two universal joints and integral torsional damper	Alpine White / Flash Green #677      Alpine White / Velvet	
Final drive	spiral bevel gears, 3.09:1 ratio (34/11)	Alpine White / Marakesh Red #009      Violet #693	
Frame and Suspension		Standard Equipment	
Frame	tubular steel, double front downtubes	- Frame mounted fairing with headlight grill and adjustable windshield	
Front suspension	telescopic fork with progressive spring character, oil damping with fixed damping rates	- Adjustable high rise handlebars	
Travel / dimensions	8.8 inches / 40.0 mm stanchion tube diameter	- Single key lock system for ignition, steering, fuel cap and seat locks	
Rear suspension	Patented BMW Paralever swingarm shaft drive with single gas-filled shock	- Heated handlebar grips (two heat settings)	
Travel / dimensions	7.0 inches, progressive spring, 4 preload positions	- Storage compartment with 22 piece tool kit and tire repair kit.	
		- Power accessory socket	
		- Single seat with extended luggage rack	
		- Cylinder protection bars with integrated sidestand	
		- Large engine protection plate	
		- Lockable storage compartment in fuel tank (5 liter capacity)	
		- Molded hand protectors	
		- Mounting brackets for BMW Touring Cases	

Copyright 1992 BMW of North America, Inc., Woodcliff Lake, New Jersey. All rights reserved.

# 1993 BMW R100RT

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr's Suggested Retail Price: \*\$9,340.00

\*Actual Price Determined by Dealer.

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

Engine		Brakes	
Type	air-cooled, four stroke, opposed 2-cylinder	Brake system	
Bore x stroke	94.0 mm x 70.6 mm	Front brakes	two 2-piston double action calipers
Displacement	980 cc	Front rotors	dual 11.2 inch fixed rotors
Horsepower	60 Bhp @ 6500 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	54.8 lb.-ft. @ 3500 rpm	Rear brake	one drum brake with dual brake shoes
Compression ratio	8.5:1	Rear drum	single 7.9 inch diameter drum
Valve gear	OHV, push-rod actuated	Actuation method	mechanical rod operated
Valves	1 x 42.0 mm intake / 1 x 40.0 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm to clearance)	intake opens 16 degrees before TDC intake closes 44 degrees before BDC exhaust opens 56 degrees before BDC exhaust closes 4 degrees after TDC	Front wheel	2.50 x 18 MT-H2 cast alloy, Y-spoke, H-profile
Valves per cylinder	two	Rear wheel	2.50 x 18 MT-H2 cast alloy, Y-spoke, H-profile
Camshafts	308 degrees	Front tire	90/90H - 18 tubless
Engine oil capacity	3.0 quarts of SF,SG motor oil	Rear tire	120/90H - 18 tubless
Engine oil filter	enclosed Micronic filter cartridge	Dimensions	
Ignition	transistorized breakerless	Overall length	85.60 inches (2175 mm)
Carburetion	two 32 mm Bing constant-velocity with manual choke via variable fuel/air enrichment	Overall width	37.8 inches (960 mm) (over mirrors)
Fuel demand	unleaded, regular grade, 87 (AKI)	Wheelbase	57.0 inches (1447 mm) (without rider)
Fuel tank	steel tank, twin fuel valves with integral strainers	Ground clearance	4.9 inches (125 mm) (with rider)
Fuel capacity	5.5 U.S. gallons including 1.5 gal. reserve	Seat height	31.8 inches (807 mm)
Air Filter	Micronic plate-type element	Handlebar width	28.1 inches (714 mm)
Charging system	14 V, 17 Amp Alternator (240 W)	Steering head angle	62 degrees
Battery	BMW Mareg, 25 Amp/h	Front wheel trail	4.7 inches (120 mm) (with rider)
Cooling system	air cooled, thermostatically controlled oil cooler	Weight - dry	472 lbs.
Drivetrain		Weight - wet	516 lbs.
Primary drive	helical-cut gears with tensioner	Maximum load	970 lbs. gross vehicle weight rating
Clutch	165 mm dry, single plate with diaphragm spring	Axle load distribution	47% / 53% - unladen 44% / 56% - with rider
Gear ratios	1st gear: 4.40:1      4th gear: 1.67:1 2nd gear: 2.86:1      5th gear: 1.50:1 3rd gear: 2.07:1	Available colors	
Drive system	enclosed driveshaft with one universal joint and integral torsional damper	Classic Black #656	Mystic Red #527      Turquoise Green #528
Final drive	spiral bevel gears, 3.00:1 ratio (33/11)	Standard Equipment	
Frame and Suspension		<ul style="list-style-type: none"> <li>- Integrated full touring fairing with locking storage compartments and adjustable windshield</li> <li>- Single key lock system for ignition, steering, fuel cap and seat locks</li> <li>- Storage compartment with 22 piece tool kit and tire repair kit.</li> <li>- Power accessory socket</li> <li>- Dashboard mounted clock and voltmeter</li> <li>- Dual front disc brakes</li> <li>- Thermostatically controlled engine oil cooler</li> <li>- Detachable BMW Touring Cases with mountings</li> <li>- Dual tone horns</li> </ul>	
Frame	tubular steel, double front downtubes		
Front suspension	telescopic fork with progressive spring character, oil damping with fixed damping rates		
Travel / Dimensions	6.0 inches / 38.5 mm stanchion tube diameter		
Rear suspension	Patented BMW Monolever swingarm shaft drive with single gas-filled shock		
Travel / dimensions	4.8 inches, progressive spring, 4 preload positions		

# 1993 BMW R100RS

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr's Suggested Retail Price: \*\$9,340.00

\*Actual Price Determined by Dealer.

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

Engine		Drakes	
Type	air-cooled, four stroke, opposed 2-cylinder	Brake system	
Bore x stroke	94.0 mm x 70.6 mm	Front brakes	two 2-piston double action calipers
Displacement	980 cc	Front rotors	dual 11.2 inch fixed rotors
Horsepower	60 Bhp @ 6500 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	54.8 lb.-ft. @ 3500 rpm	Rear brake	one drum brake with dual brake shoes
Compression ratio	8.5:1	Rear drum	single 7.9 inch diameter drum
Valve gear	OHV, push-rod actuated	Actuation method	mechanical rod operated
Valves	1 x 42.0 mm intake / 1 x 40.0 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm clearance)	intake opens 16 degrees before TDC intake closes 44 degrees before BDC exhaust opens 56 degrees before BDC exhaust closes 4 degrees after TDC	Front wheel	2.50 x 18 MT-H2 cast alloy, Y-spoke, H-profile
Valves per cylinder	two	Rear wheel	2.50 x 18 MT-H2 cast alloy, Y-spoke, H-profile
Camshafts	308 degrees	Front tire	90/90H - 18 tubeless
Engine oil capacity	3.0 quarts of SF,SG motor oil	Rear tire	120/90H - 18 tubless
Engine oil filter	enclosed Micronic filter cartridge	Dimensions	
Ignition	transistorized breakerless	Overall length	85.60 inches (2175 mm)
Carburetion	two 32 mm Bing constant-velocity with manual choke via variable fuel/air enrichment	Overall width	30.4 inches (770 mm) (over mirrors)
Fuel demand	unleaded, regular grade, 87 (AKI)	Wheelbase	57.0 inches (1447 mm) (without rider)
Fuel tank	steel tank, twin fuel valves with integral strainers	Ground clearance	4.9 inches (125 mm) (with rider)
Fuel capacity	5.5 U.S. gallons including 1.5 gal. reserve	Seat height	31.9 inches (807 mm)
Air Filter	Micronic plate-type element	Handlebar width	22.9 inches (580 mm)
Charging system	14 V, 17 Amp Alternator (240 W)	Steering head angle	62 degrees
Battery	BMW Mareg, 25 Amp/h	Front wheel trail	4.7 inches (120 mm) (with rider)
Cooling system	air cooled, thermostatically controlled oil cooler	Weight - dry	472 lbs.
Drivetrain		Weight - wet	516 lbs.
Primary drive	helical-cut gears with tensioner	Maximum load	970 lbs. gross vehicle weight rating
Clutch	165 mm dry, single plate with diaphragm spring	Axle load distribution	47% / 53% - unladen 44% / 56% - with rider
Gear ratios	1st gear: 4.40:1      4th gear: 1.67:1 2nd gear: 2.86:1      5th gear: 1.50:1 3rd gear: 2.07:1	Available colors	
Drive system	enclosed driveshaft with one universal joint and integral torsional damper	Blue / Silver #999	
Final drive	spiral bevel gears, 3.00:1 ratio (33/11)	Standard Equipment	
Frame and Suspension		- Integrated sport-touring fairing with full lower protection	
Frame	tubular steel, double front downtubes	- Storage compartment with 22 piece tool kit and tire repair kit.	
Front suspension	telescopic fork with progressive spring character, oil damping with fixed damping rates	- Single key lock system for ignition, steering, fuel cap and seat locks	
Travel / dimensions	6.0 inches / 38.5 mm stanchion tube diameter	- Thermostatically controlled engine oil cooler	
Rear suspension	Patented BMW Monolever swingarm shaft drive with single gas-filled shock	- Power accessory socket	
Travel / dimensions	4.8 inches, progressive spring, 4 preload positions	- Dual tone horns	
		- Dual front disc brakes	