

BMW

1991 MODEL REVIEW

(CANADA)

The new BMW motorcycle models for 1991 will begin to arrive at your dealership soon.

The model range consists of nine models, with a total of 12 model variations since ABS is a pre-installed option on K75 models.

Regarding colour choice, the 1991 model year offers you new colours which include Classic Black (M), Avus Black with Flash Green (S), Metallic Purple (M), and Carica Blue (S). The new colours will supplement Marakesh Red (S), Alpine White/Marakesh Red (S), Avus Black/Yellow (S), Bermuda Blue (M), and Red Metallic (M), which you are already familiar.

(M) = Metallic Paint

(S) = Solid Colour Paint

Listed are technical changes to each model series

K-Series Changes:

- Choke light has been deleted for all K models.
- The wheel rim flange has been reinforced for all standard wheels (not 3-spoke) to provide additional resistance to impact.
- All brake disc mounts will be painted black.
- The valve cover bolts have been revised with a hex key slot.

R-Series Changes:

- The wheel rim flange has been reinforced for all standard wheels (not GS) to provide additional resistance to impact.
- the carburetors have been modified with a damper O'ring installed on the slide to reduce "rattle" at idle and the fuel passages have been redesigned to compensate for level changes in the float chamber.
- The new voltage regulator with higher voltage output will be fitted.

The attached pages contain standard specifications and a review of each model in the 1991 range.

BMW MOTORCYCLES FOR 1991

<i>Standard Equipment & Colours</i>	R100GS	R100PD	R100RT	K75	K75S	K75RT	K100RS	K100LT	K1
Bosch Electronic Fuel Injection				x	x	x		x	
Bosch Electronic Ignition	x	x	x	x	x	x		x	
Digital Engine Management							x		x
Monolever Rear Suspension			x	x	x	x		x	
Paralever Rear Suspension	x	x					x		x
Sport Suspension				x	x	x	x		x
Twin Disk Front Brake			x	x	x	x	x	x	x
Rear Disk Brake				x	x	x	x	x	x
Cast Light Alloy Wheels			x	x	x	x	x	x	x
Three - Spoke Sport Wheels					x		x		x
Tubeless Tires	x	x	x	x	x	x	x	x	x
5-Speed Transmission	x	x	x	x	x	x	x	x	x
Stainless Steel Exhaust	x	x	x	x	x	x	x	x	x
Self-Cancelling Turn Signals				x	x	x	x	x	x
Quartz Clock			x	x	x	x	x	x	x
Integral Fairing	x	x	x		x	x	x	x	x
Touring Cases			x			x		x	
Luggage Rack	x	x	x			x		x	
Engine Guard	x	x						x	
Dual-Tone Horns			x				x	x	
Accessory Power Socket	x	x	x	x	x	x	x	x	x
4-Way Flashers	x	x	x	x	x	x	x	x	x
Low Seat				x	1	1	1		
Fuel & Temp. Gauges							x	x	x
ABS (Anti-Lock Brakes)				2	2	2	x	x	x
Colours	Yellow/Black Marakeeh Red Carice Blue	Flash Green with Black Alpine White with Red	Bermuda Blue Red Metallic	Marakeeh Red	Metallic Purple	Red Metallic Black Metallic	Black Metallic Pearl Silver	Bermuda Blue Red Metallic Black Metallic	Black Metallic Marakeeh Red

1) Available by special order at no additional cost.

2) Available at additional cost.

Specifications are subject to change without notice.

Consult your BMW dealer for colour availability.

	SPECIFICATIONS BMW MOTORCYCLES		R 100 GS	R 100 GS Paris-Dakar		R 100 RT
Engine	Cubic capacity	cc	980	980		980
	Bore/stroke	mm	94 x 70.6	94 x 70.6		94 x 70.6
	Max output	kW/bhp	44/60	44/60		44/60
	at	rpm	6500	6500		6500
	Max torque	Nm	76	76		74
	at	rpm	3750	3750		3500
	Design		Flat-twin	Flat-twin		Flat-twin
	No of cylinders		2	2		2
	Compression ratio/fuel grade		8.5 N	8.5 N		8.45 N
	Valve control		OHV	OHV		OHV
	Valves per cylinder		2	2		2
Intake/outlet dia	mm	42/40	42/40		42/40	
Fuel supply		Bing carburetors	Bing carburetors		Bing carburetors	
No of carburetors/dia		2/40	2/40		2/32	
Electrical system	Ignition		contactless transistorized coil ignition			
	Alternator	W	280	280		280
	Battery	V/Ah	12/25	12/25		12/30
	Headlight	W	H 4 55/60 dia 140 mm	H 4 55/60 dia 140 mm		H 4 55/60 dia 180 mm
Starter	kW	0.7	0.7		0.7	
Power transmission, Gearbox	Gearbox		5-speed gearbox with dog-type shift			
	Gear ratios	I	4.40/3.09	4.40/3.09		4.40/3.0
		II	2.86/3.09	2.86/3.09		2.86/3.0
		III	2.07/3.09	2.07/3.09		2.07/3.0
		IV	1.67/3.09	1.67/3.09		1.67/3.0
	V	1.50/3.09	1.50/3.09		1.50/3.0	
Suspension	Rear-wheel drive		BMW Paralever	BMW Paralever		Encapsulated drive shaft with universal joint and helical-gear follower plate, torsion damper in drive shaft
	Clutch		Single-plate dry clutch with diaphragm springs			
	Type of frame		Double-loop tubular steel frame with bolted-on tail section			
	Spring travel front/rear	mm	225/180	225/180		175/121
	Wheel castor	mm	101	101		120
	Wheelbase	mm	1513	1513		1447
	Brakes	Front:	single-disc brake; dia 280 mm	single-disc brake; dia 280 mm		dual-disc brake; dia 285 mm
		Rear:	drum brake, dia 200 mm	drum brake, dia 200 mm		drum brake, dia 200 mm
	Wheels		Cross-spokes	Cross-spokes		Cast light-alloy wheels
	front		1.85 - 21 MT	1.85 - 21 MT		MTH 2.50 x 18 E
rear		2.50 - 17 MT	2.50 - 17 MT		MTH 2.50 x 18 E	
Tyres front		90/90 - 21 T	90/90 - 21 T		90/90 - 18 H	
rear		130/80 - 17 T low-profile	130/80 - 17 T low-profile		120/90 - 18 H low-profile	
Dimensions and weights	Length, overall	mm	2290	2290		2175
	Width with mirrors	mm	1000	1000		960
	Handlebar width without mirrors	mm	830	830		714
	Seat height	mm	850	850		807
	Weight, unladen with full tank	kg	220	236		234
	Max permissible weight	kg	420	420		440
	Fuel tank/reserve	ltr	24/4.7	35/5		22/2
	Performance	Fuel consumption				
90 km/h (56 mph)		ltr	4.9	4.9		4.4
120 km/h (75 mph)		ltr	6.9	6.9		6.6
Acceleration						
0-100 km/h (62 mph)		sec	4.8	4.8		5.0
standing-start km	sec	26.5	26.5		26.0	
Top speed	km/h	180	180		185	
Model features	Fairing		Glass-fibre-reinforced fairing	Glass-fibre-reinforced fairing		Glass-fibre-reinforced tourer fairing
	Standard features		Toolkit, repair kit, luggage rack, oil cooler windshield	Flared mudguard, solo seat, large luggage rack, engine protection, revolution indicator, quartz clock		Toolkit, repair kit, oil cooler, voltmeter, quartz clock, cases with standard lock

1991 R100GS

The R100GS returns this year having undergone considerable revision, the most notable is the new fairing. Rather than the small unit attached to the headlight as in the past, the new GS has a frame-mounted fairing using the fairing mounts of the Paris-Dakar. A new fairing, which has been engineered to fit with the standard GS fuel tank, contains new instrumentation. We now have individual speedometer and tachometer units, with a new warning light console between the instruments which contains all of the standard lights. Two switch mounts are placed at the lower right and left side of the instrument console. A new windshield has been developed and the upper mounting on each side is slotted to allow the windshield to be adjusted fore and aft. A rectangular headlight (ala K75S) is fitted with a new molded stone guard.

But this is not where the changes end. The GS is fitted with a new floating front disc brake rotor while the rear brake benefits from a modified brake lever which improves the mechanical advantage. The rear suspension has a new shock absorber with adjustable damping as well as spring preload! The muffler is now made of stainless steel to resist corrosion. The new K-series handlebar switches have been adapted which helps standardize the model line. The seat has a modified foam to improve comfort. The GS is fitted with a new (modified) low front fender.

The R100GS comes in Avus Black/Yellow (640), Marakesh Red/Alpine White (659) and Carica Blue. The fairing frame is now painted in the contrasting colour, which gives these somewhat familiar colours a new look, as does slightly new graphics.

Standard Features include:

- | | |
|---|-----------------------------|
| - Frame Mounted Fairing | - Headlight Stone Guard |
| - Adjustable Windshield | - Rectangular Headlight |
| - Low Front Fender | - Rubber Footrests |
| - Paralever Rear Sus. | - Stainless Steel Muffler |
| - Engine Oil Cooler | - Floating Front Disc Brake |
| - Engine Protection bars
with Side Stand | - Locking Gas Cap |
| - Accessory Power Socket | - Std. Engine Sump Guard |
| - Dual Seats | - Hazard Warning Lights |
| - Cross Spoke Wheels with
Tubeless Tires | |

1991 R100GS PARIS-DAKAR

The P-D for 1991 remains visually similar to the 1990 model, but contains all of the numerous improvements found on the 1991 R100GS. These improvements include floating front disc brake, improved rear brake pedal, improved adjustable windshield, headlight shade, improved instrumentation & light console, K-series handlebar switches, new rear shock with adjustable damping, stainless steel exhaust system and carburetor improvements.

A new colour has been added to the P-D in addition to Alpine White/Marakesh Red (659) which is Avus Black/Flash Green (672). This new colour is quite striking...we must admit that the photographs do not do it justice.

Standard Features include:

- 35 litre fuel tank with 6 litre storage compartment
- Solo Seat with Luggage Rack
- Engine Protection Bars with Side Stand
- Engine Oil Cooler
- Accessory Power Socket
- Cross Spoke Wheels with Tubeless Tires
- Paralever Rear Suspension
- Adjustable Windshield
- Headlight Stone Guard
- Locking Gas Cap
- Floating Front Disc Brake
- Engine Fairing
- High Front Fender
- Large Engine Sump Guard
- Frame Mounted Fairing
- Engine Kick-Start
- Hazard Warning Lights

1991 R100RT

The R100RT remains unchanged for 1991 with the exception of the standard improvements to the entire model line such as new voltage regulator, improved wheel rims, wider rear brake shoe linings, and carburetor improvements.

The R100RT comes in Bermuda Blue metallic (644) and Red Metallic (654) with coordinated pin stripes. The radio installation kit is available as a dealer-installed option as are engine protection bars, 22 litre top case, etc.

Standard Features include:

- Integral Cases with mounts
- Luggage Rack
- Accessory Power Socket
- Dual Disc Front Brakes with Sintered Metal pads
- Clock & Voltmeter
- Monolever Rear Suspension
- Hazard Warning Lights

SPECIFICATIONS BMW MOTORCYCLES		K 75	K 75 S	K 75 RT		
Motor	Cubic capacity	cc ³	740	740	740	
	Bore/stroke	mm	67/70	67/70	67/70	
	Max output	kW/bhp	55/75	55/75	55/75	
	at	/rpm	8500	8500	8500	
	Max torque	Nm	68	68	68	
	at	/min	6750	6750	6750	
	Design		inline	inline	inline	
	No of cylinders		3	3	3	
	Compression ration/fuel grade (also unleaded)		11.0 S	11.0 S	11.0 S	
	Valve control		DOHC	DOHC	DOHC	
Valves per cylinder		2	2	2		
Intake/outlet dia	mm	34/30	34/30	34/30		
Fuel supply		LE-Jetronic with coasting cut-off				
Electrical system	Ignition		VZ-51 L digital ignition			
	Alternator	W	460	460	460	
	Battery	V/Ah	12/25	12/25	12/25	
Headlight		W	H 4 55/60	H 4 55/60	H 4 55/60	
	Starter	kW/	0.7	0.7	0.7	
Power transmission, Gearbox	Gearbox		5-speed gearbox with dog-type shift			
	Gear ratios	I	4.50/3.20	4.50/3.20	4.50/3.20	
		II	2.96/3.20	2.96/3.20	2.96/3.20	
		III	2.30/3.20	2.30/3.20	2.30/3.20	
		IV	1.88/3.20	1.88/3.20	1.88/3.20	
		V	1.67/3.20	1.67/3.20	1.67/3.20	
Suspension	Rear-wheel drive		Encapsulated drive shaft with universal joint and integrated torsion damper			
	Clutch		Single-plate dry clutch rotating in opposite direction			
	Type of frame		Tubular space, engine serving as loadbearing component			
	Spring travel front/rear	mm	135/110	135/110	135/110	
	Wheel castor	mm	101	101	101	
	Wheelbase	mm	1516	1516	1516	
	Brakes(asbestos-free)	Front:		dual-disc brake, dia 285 mm		
		Rear:		single-disc brake, dia 285 mm		
	Wheels	front		Light-alloy wheels	Light-alloy wheels	Light-alloy wheels
		rear		2.50 - 18 MTH 2	2.50 - 18 MTH 2	2.50 - 18 MTH 2
Tyres	front		2.75 - 17 MTH 2	2.75 - 17 MTH 2	2.75 - 17 MTH 2	
	rear		100/90/H 18	100/90/V 18	100/90/V 18	
Dimensions and weights	Length, overall	mm	2220	2220	2220	
	Width with mirrors	mm	900	810	916	
	Handlebar width without mirror	mm	710	650	770	
	Seat height	mm	760*	810	810	
	Weight, unladen with full tank	kg	228	235	258	
	Max permissible weight	kg	450	450	480	
	Fuel tank	l	21	21	22	
	Performance	Fuel consumption				
90 km/h (56 mph)		ltr	4.5	4.3	4.5	
120 km/h (68 mph)		ltr	5.2	5.0	5.2	
Accerelation						
0—100 km/h (62 mph)		sec	4.6	4.6	4.6	
standing-start km	sec	25.6	25.2	25.2		
Top speed	km/h	200	210	210		
Model features	Fairing			Glass-fibre-reinforced plastic sports fairing fitted to frame, glass-fibre-reinforced engine spoiler	Multi-piece aerodynamically optimized sports-touring fairing	
	Standard features		Repair kit, toolkit, digital clock	Repair kit, toolkit, digital clock	Repair kit, toolkit, digital clock	

* alternatively 800 mm

1991 K75

BMW's entry level (price and seat height) motorcycle is back in Marakesh Red (643) with Black engine, driveline and brake discs.

The "basic" retains the low 29.9 inch seat, and sport front suspension, which help to make this motorcycle very friendly to new riders, as well as veterans. Two straps are provided under the seat to make it easier to lock your helmet (and that of your passenger's) to the motorcycle.

Standard features include:

- Sport Front Suspension
- Low 29.9 inch Seat
- Accessory Power Socket
- Two Helmet Holder Straps under Seat
- Hazard Warning Lights

1991 K75S

Our most popular middleweight motorcycle returns this year in a new colour, new wheels and with optional ABS.

The new, wild Metallic Purple (671) will be complemented with a black engine, black driveline and black brake discs. This year the new 3-spoke "U" section wheels are fitted to give the "S" a very sporty look.

Factory-installed ABS will be available on a limited number of K75S models.

Standard Features include:

- Engine Spoiler
- Sport Suspension - front and rear
- 3-Spoke "U" Section Wheels
- Accessory Power Socket
- ABS (factory installed option at extra cost)
- Hazard Warning Lights

1991 K75RT

BMW's newest middleweight tourer returns for 1991 with new colours, ABS, and several improvements that should help your sales efforts.

The K75RT will be provided with a shorter U.S. windshield. Touring cases will be standard as well as the luggage grid.

Colours for the '91 are Classic Black Metallic (670) and Red Metallic (675), both with black engine, driveline and brake discs with silver wheels.

Standard Features include:

- U.S. Windshield
- Luggage Grid
- Touring Cases with mounts
- ABS (factory-installed option at extra cost)
- Accessory Power Socket
- Sport Front Suspension
- Hazard Warning Lights

	SPECIFICATIONS BMW MOTORCYCLES		K 100 LT		K 100 RS	K 1
Engine	Cubic capacity	cc	987		987	987
	Bore/stroke	mm	67/70		67/70	67/70
	Max output	kW/bhp	66/90		74/100	74/100
	at	rpm	8000		8000	8000
	Max torque	Nm	86		100	100
	at	rpm	6000		6750	6750
	Design		inline		inline	inline
	No of cylinders		4		4	4
	Compression ratio/fuel grade (also unleaded)		10.2 N		11.0 S	11.0 S
	Valve control		DOHC		DOHC	DOHC
Valves per cylinder		2		4	4	
Intake/outlet dia	mm	34/30		26.5/23	26.5/23	
Fuel supply		LE-Jetronic		Motronic	Motronic	
Electrical system	Ignition		VZ-51 L digital ignition		Motronic	Motronic
	Alternator	W	460		460	460
	Battery	V/Ah	12/25		12/25	12/25
	Headlight	W	H 4 55/60		H 4 55/60	H 4 55/60
Starter	kW	0.7		0.7	0.7	
Power trans- mission, Gearbox	Gearbox		5-speed gearbox with dog-type shift			
	Gear ratios	I	4.50/2.91		4.50/2.81	4.50/2.75
		II	2.96/2.91		2.96/2.81	2.96/2.75
		III	2.30/2.91		2.30/2.81	2.30/2.75
		IV	1.88/2.91		1.88/2.81	1.88/2.75
		V	1.67/2.91		1.61/2.81	1.61/2.75
Suspension	Rear-wheel drive		Encapsulated drive shaft with universal joint and integrated torsion damper		BMW Paralever	BMW Paralever
	Clutch		Single-plate dry clutch rotating in opposite direction, dia 180 mm			
	Type of frame		Tubular space frame, engine serving as load-bearing component			
	Spring travel front/rear	mm	185/110		135/120	135/140
	Wheel castor	mm	101		90	90
	Wheelbase	mm	1511		1564	1565
	Brakes	Front: Rear:	dual-disc brake, dia 285 mm disc brake, dia 285 mm		Ø 305 mm Ø 285 mm	Ø 305 mm Ø 285 mm
	Wheels		Light-alloy wheels		Light-alloy wheels	Light-alloy wheels
	front		2.50 - 18 MTH 2		3.50 - 17 MTH 2	3.50 - 17 MTH 2
	rear		2.75 - 17 MTH 2		4.50 - 18 MTH 2	4.50 - 18 MTH 2
Tyres	front rear	100/90 V 18 130/90 V 17		120/70 VR 17 160/60 VR 18	120/70 VR 17 160/60 VR 18	
				tubeless	tubeless	
Dimensions and weights	Length, overall	mm	2220		2230	2230
	Width with mirrors	mm	916		800	760
	Handlebar width	mm	770		610	670
	Seat height	mm	810		800	780
	Weight, unladen with full tank	kg	283		259	259
	Max permissible weight	kg	480		480	480
	Fuel tank	ltr	22		22	22
	Performance	Fuel consumption				
90 km/h (56 mph)		ltr	4.4		4.7	4.2
120 km/h (75 mph)		ltr	5.4		5.3	5.0
Acceleration						
0—100 km/h (62 mph)		sec	4.1		3.9	3.9
standing-start km	sec	24.1		22.9	22.3	
Top speed	km/h	215		more than 220	more than 230	
Model features	Fairing		Multi-piece aerodynamically optimized sports-touring fairing		Multi-piece-aerodynamically optimized touring full fairing	Multi-piece-aerodynamically optimized sports fairing
	Standard features		Repair kit, toolkit digital clock, integrad cases with support and standard key Additional K 100 LT features: hazard warning flashers, 2 sockets, soft rubber handlebars, luggage rack, topcase		Repair kit, toolkit digital clock Central locking	Repair kit, toolkit digital clock Central locking

1991 K100LT

The K100LT for 1991 retains the same touring qualities as last year, with some minor refinements.

New, higher-output speakers (4 Ohm, 25W-40W) are fitted for better sound reproduction (which can also be retro-fitted to earlier models) and the U.S. - produced windshield will be supplied in the shorter version. The LT also benefits from the reinforced wheel rims which will provide more resistance to impact for the heavily laden traveler.

Colours offered this year are Bermuda Blue Metallic (645) and Classic Black Metallic (670), both with a Gray seat, knee pads and top case pad, in addition to Red Metallic (675) with Black seat, knee pads and top box pad. The engine, driveline and brake discs are painted black while the wheels are painted silver.

Standard Features include:

- Anti-Lock Braking System
- 50 Ltr. Top Box (Large) - colour-matched
- Integral Cases - colour-matched
- BMW Motorcycle Anti-theft Radio System with higher output speaker system
- Engine Protection Bars
- Adjustable Fresh Air Ducts
- Nivomat rear suspension
- Dashboard with fuel/coolant temperature gauges, map light, cigarette lighter accessory socket
- Interference Suppression (1)
- Hazard Warning Lights
- Long Rear Mud Flap
- U.S. Custom Touring Seat
- U.S. Windshield

1991 K100RS

The ultimate BMW sports tourer is back this year, virutally unchanged from last year except for the addition of an engine spoiler.

The colours available will be Pearl Silver Metallic (671), and Classic Black Metallic (670).

Standard Features include:

- Fuel/coolant temperature gauges
- Motronic engine management system
- Paralever rear suspension
- Hazard Warning Lights
- Anti-Lock Braking System (ABS)
- Accessory Power Socket

1991 K1

1991 marks the second year for this BMW Super-Sport machine. The biggest change this year is the new paint scheme of Classic Black Metallic (670). Classic Black contains a silver metallic colouring, which really sparkles under spot lighting. It is complemented with a double Silver pin stripe tastefully (and conservatively) applied along the seam of the fairing and lower panel. The driveline is silver with a gray seat and bump pad and no graphic decals. The K1 is also available in Marakesh Red (658) with the familiar Yellow graphics and driveline.

Though no earth-shattering changes have occurred, the K1 has been further refined with slightly softer front fork damping (holes in damper rod enlarged from 2.1 mm to 2.4 mm), revised valve cover bolts, new case for the Motronic Unit made of aluminum, and improved heat management.

Standard Features include:

- Anti-Lock Brake System
- Paralever Rear Suspension
- Fuel and Coolant Temperature Gauges
- Motronic Engine Management System
- Accessory Power Socket
- Hazard Warning Lights