

CHASSIS	690 SUPERMOTO 2007	690 SUPERMOTO PRESTIGE 2007
Frame	Chromoly trellis frame, powder-coated	
Fork	WP Suspension – <b>Up Side Down</b> 4860 ROMA	
Spring travel front	210 mm (8.27 in)	
Rear suspension	WP Suspension - 4618 shock absorber - PRO-LEVER relay lever	
Spring travel rear	210 mm (8.27 in)	
Front brake	4-piston fixed radial caliper, brake disc Ø 320 mm (12.6 in)	
Rear brake	single-piston floating caliper, brake disc Ø 240 mm (9.45 in)	
Authorized front tires *	BRIDGESTONE Battlax BT090F 120/70 R17 M/C 58H	METZELER Sportec M3 Front 120/70 ZR17 M/C 58W
Air pressure	Road, driver only.....2.0 bar (28 psi) Road, with passenger / maximum payload .....2.0 bar (28 psi)	
Authorized rear tires *	BRIDGESTONE Battlax BT090R PRO 160/60 R17 M/C 69H	METZELER Sportec M3 160/60 ZR17 M/C 69W
Air pressure	Road, driver only.....2.0 bar (28 psi) Road, with passenger / maximum payload .....2.2 bar (31 psi)	
Fuel tank capacity	13 liters (3.44 USgal), 2.5 liters (0.66 USgal) Reserve	
Lighting	high beam + low beam .....H4 12V 60/55W (socket P43t) position light front.....12V 5W (socket W2.1x9.5d) Instrument lights + indicator lamp.....LED position light rear.....LED stoptlight .....LED licens plate illumination .....12V 5W (socket W2.1x9.5d) flashers .....12V 10W (socket BA15s)	

\* further tire releases are available on the Internet at [www.ktm.com](http://www.ktm.com)

CHASSIS	690 SUPERMOTO 2007	690 SUPERMOTO PRESTIGE 2007
Battery	maintenance-free battery 12V / 8.6 Ah	
Gear ratio – rear wheel	17:41 (17:42)	
Chain	5/8 x 1/4" X-ring	
Steering head angle	63.5°	
Wheel base	1472 ± 15 mm (57.95 ± 0.6 in)	
Seat height, unloaded	880 mm (34.65 in)	
Ground clearance, unloaded	245 mm (9.65 in)	
Dry weight	154 kg (339.5 lbs)	
Max. axle load front	150 kg (330.7 lbs)	
Max. axle load rear	200 kg (440.9 lbs)	
Max. total load	350 kg (771.6 lbs)	

FORK	690 SUPERMOTO	690 SUPERMOTO PRESTIGE
Type	14.18.7C.07 WP Suspension	14.18.7C.08 WP Suspension
Spring	5.2 - 430	5.2 - 430
Air chamber length	100 mm (39.37 in)	100 mm (39.37 in)
Fork oil	SAE 2.5	SAE 2.5

SHOCK ABSORBER	690 SUPERMOTO	690 SUPERMOTO PRESTIGE
Type	15.18.9C.07 WP Suspension	15.18.7C.08 WP Suspension
Spring	65 - 230	65 - 230
Spring preload	12 mm (0.472 in)	12 mm(0.472 in)



TIGHTENING TORQUES – CHASSIS 690 SUPERMOTO / 690 SUPERMOTO PRESTIGE 2007		
Screw for side stand switch	M4	Loctite 243 + 2 Nm
Spoke nipple	M4.5/M5	5 Nm
Screw for fuel pump, pressure regulator	M5	4 Nm
Screw for fuel level sensor	M5	3 Nm
Screw for foot brake pedal surface	M5	Loctite 243 + 6 Nm
Screw for plastic clamp brake line fork leg	M5	2 Nm
Screw for heat protector on exhaust	M5	Loctite 243 + 5 Nm
Screw for side cover	M5	2 Nm
Screw for seat lock	M5	Loctite 222 + 3 Nm
Screw for starter cable - starter	M5	3 Nm
Pushrod ball joint foot brake cylinder	M6	Loctite 243 + 10 Nm
Remaining screws for tank	M6	6 Nm
Screw for compensating tank rear wheel brake	M6	5 Nm
Screw for battery rack, control unit holder	M6	3 Nm
Screw for fuel cock	M6	6 Nm
Screw for front/rear brake disk	M6	Loctite 243 + 14 Nm
Screw for foot brake cylinder	M6	Loctite 243 + 10 Nm
Screw for horn	M6	Loctite 243 + 6 Nm
Screw for license plate holder	M6	8 Nm
Screw for lower radiator mount	M6	5 Nm
Screw for magnetic side stand holder	M6	Loctite 243 + 10 Nm
Screw for rectifier regulator	M6	8 Nm
Screw for headlight mask	M6	5 Nm
Screw for side stand bracket	M6	Loctite 243 + 10 Nm

TIGHTENING TORQUES – CHASSIS 690 SUPERMOTO / 690 SUPERMOTO PRESTIGE 2007		
Screw for SAS valve	M6	6 Nm
Nut for rear sprocket screw	M8	Loctite 243 + 35 Nm
Nuts for header - cylinder head	M8	copper paste + 25 Nm evenly, do not bend washer
Screw for silencer exhaust clamp	M8	25 Nm
Screw for header exhaust clamp	M8	copper paste + 25 Nm
Screw for side stand spring bracket	M8	Loctite 243 + 25 Nm
Screw for rear footrest support	M8	25 Nm
Screw for rear footrest bracket	M8	Loctite 243 + 25 Nm
Screw for upper triple clamp	M8	12 Nm
Screw for lower triple clamp	M8	15 Nm
Screw for fork stub	M8	15 Nm
Screw for grip	M8	6 Nm
Screw for steering stem clamping	M8	20 Nm
Screw for header - silencer	M8	copper paste + 25 Nm
Screw for handlebar clamp	M8	20 Nm
Screw for upper subframe	M8	Loctite 243 + 35 Nm
Screw for side stand bracket	M8	Loctite 243 + 25 Nm
Screw for tank bearing	M8	15 Nm
Screw for linkage bracket, front engine holder	M8	Loctite 243 + 25 Nm
Screw for front/rear brake disk	M8x1.25	Loctite 243 + 30 Nm
Engine mount screws	M10	Loctite 243 + 45 Nm
Screw for upper/lower shock absorber	M10	Loctite 243 + 45 Nm
Screw for handlebar mount	M10	20 Nm

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Screw for side stand	M10	Loctite 243 + 35 Nm
Screw for front brake caliper	M10x1.25	Loctite 243 + 45 Nm
Screw for lower subframe	M10x1.25	Loctite 243 + 45 Nm
Lambda probe	M12x1.25	24.5 Nm
Nut for frame - connecting lever - rocker arm - swinging fork	M14x1.5	100 Nm
Nut for swing arm pivot	M16x1.5	100 Nm
Nut for engine sprocket	M20x1.5	Loctite 243 + 80 Nm
Screw for steering head	M20x1.5	12 Nm
Adjusting ring for swing arm support	M24x1.5	25 Nm
Screw for front wheel spindle	M24x1.5	40 Nm
Nut for rear wheel spindle	M25x1.5	90 Nm
Remaining chassis screws	M5	4 Nm
	M6	10 Nm
	M8	25 Nm
	M10	45 Nm
Remaining chassis screws	M6	15 Nm
	M8	30 Nm
	M10	50 Nm