

CHASSIS	950 SUPERMOTO R 2008
Frame	tubular chrome-molybdenum-steel space frame
Fork	WP Suspension – Up Side Down fork 4860 ROMA
Wheel travel front	200 mm (7.9 in)
Rear suspension	WP Suspension - Progressive Damping System shock absorber 4618 BAVP
Wheel travel rear	210 mm (8.3 in)
Front brake	disk brake, 2 floating perforated brake disks Ø 305 mm (12 in), brake calipers radially bolted
Rear brake	disk brake, perforated brake disk Ø 240 mm (9.4 in), floating brake caliper
Authorized front tires *	PIRELLI Scorpion Sync 120/70 ZR17 M/C 58W
Air pressure front	road, driver only.....2.4 bar (34 psi) road, with passenger / maximum payload2.4 bar (34 psi)
Authorized rear tires *	PIRELLI Scorpion Sync 180/55 ZR17 M/C 73W
Air pressure rear	road, driver only.....2.4 bar (34 psi) road, with passenger / maximum payload2.6 bar (37 psi)
Fuel tank capacity	14 liters / 3.7 USgal, 4 liters /1 USgal reserve
Gear ratio – rear wheel	17:41
Chain	5/8 x 5/16” X-ring
Lighting	headlightH4 12V 60/55W (socket P43t) position light front12V 5W (socket W2.1x9.5d) indicator lamps.....LED position light rear.....12V 5W (socket W2.1x9.5d) stoplight12V 21W (socket BA15s) licens plate illumination12V 5W (socket W2.1x9.5d) flasher12V 10W (socket BA15s)

* further tire releases are available on the Internet at www.ktm.com

CHASSIS	950 SUPERMOTO R 2008
Battery	12V 11.2 Ah maintenance-free
Steering head angle	65.1°
Wheel base	1510 ± 10 mm (59.4 in)
Seat height, unloaded	875 mm (34.4 in)
Ground clearance, unloaded	190 mm (7.5 in)
Dry weight	191 kg (421.6 lbs)
Max. axle load, front	190 kg (419.4 lbs)
Max. axle load, rear	250 kg (552 lbs)
Payload	195 kg (430.5 lbs)
Max. total weight	400 kg (883 lbs)

950 Supermoto R 2008	FORK			SHOCK			
SETTING	Compression	Rebound	Spring preload (turns)	Compression Low Speed	Compression High Speed	Rebound	Spring preload (mm)
Comfort	20	22	5	20	3	20	9
Basic Setting	15	17	5	15	2	15	9
Sport (or > 90kg)	10	12	5	10	1	10	9
Max. payload	15	17	5	10	1	10	9

FORK	950 SUPERMOTO R 2008
Type	14187D21 WP Suspension
Spring	5.9-450
Spring preload	5 mm (0.2 in)
Air chamber length	110 mm (4.3 in)
Fork oil	SAE 5 (WP 4860.0401)

SHOCK ABSORBER	950 SUPERMOTO R 2008
Type	15187D03 WP Suspension
Spring	130-215
Spring preload	9 mm (0.35 in)

TIGHTENING TORQUES – CHASSIS 950 SUPERMOTO R 2008		
Collar bolt on front wheel spindle	M24x1.5	60 Nm
Collar nut wheel spindle rear	M25x1.5	90 Nm
AH bolt shock absorber top/bottom	M14x1.5	80 Nm
Collar nut for swing arm bolt	M19x1.5	130 Nm
AH bolts on subframe	M10x1.25	Loctite 243 + 45 Nm
AH bolts on back of footrest support	M8	Loctite 243 + 25 Nm
Engine carrier bolts	M10	45 Nm
HH clamp bolts on top triple clamp	M8	20 Nm
HH clamp bolts on bottom triple clamp	M8	15 Nm
HH screw for steering head	M20x1.5	12 Nm
HH clamp bolts on fork leg axle passages	M8	15 Nm
Collar bolts for handlebar clamps	M8	20 Nm
AH bolt for handlebar mount	M10	20 Nm
HH clamp bolts for steering stem	M8	20 Nm
Collar bolt front/rear brake disk	M8x1.25	Loctite 243 + 30 Nm
HH bolts on front brake caliper	M10x1.25	Loctite 243 + 45 Nm
HH bolts on handbrake cylinder	M6	10 Nm
HH bolts on footbrake cylinder	M6	Loctite 243 + 10 Nm
AH bearing bolt for foot brake pedal	M8	Loctite 243 + 25 Nm
HH bolts on foot brake pedal surface	M5	Loctite 243 + 6 Nm
AH bolts for side stand bracket - engine	M10	Loctite 243 + 45 Nm
HH bolts for side stand fixture - side stand bracket	M10	Loctite 243 + 45 Nm
HH bolts for side stand mounting	M10	Loctite 243 + 35 Nm
HH bolt for spring rest on side stand	M8	Loctite 243 + 25 Nm

TIGHTENING TORQUES – CHASSIS 950 SUPERMOTO R 2008		
HH bolt for side stand switch	M4	Loctite 243 + 2 Nm
Drain plug on oil tank	M12x1,5	25 Nm
Exhaust nuts on manifold	M8	evenly, do not bend sheet metal
Exhaust clamp	M8	8 Nm
Exhaust clamp for ball joint	M8	35 Nm
HH bolts on exhaust suspension	M6	Loctite 243 + 12 Nm
HH bolt on fuel level indicator	M5	3 Nm
HH bolts fuel taps	M6	6 Nm
AH bolts tank trim	M6	6 Nm
Jerk damper bolt rear wheel	M10x1,25	Loctite 243 + 50 Nm
Chainguard	M5	5 Nm
Chain sliding guard	M6	Loctite 243 + 6 Nm
Taillight	M6	8 Nm
Other bolts on chassis	M6 M8 M10	10 Nm 25 Nm 45 Nm
Other collar nuts on chassis	M6 M8 M10	15 Nm 30 Nm 50 Nm