

# TECHNICAL SPECIFICATIONS – CHASSIS 125/150/250 SX 2009»

CHASSIS	125 SX	150 SX	250 SX
Frame	Central chrome-moly-steel frame		
Fork	WP – Up Side Down 4860 MXMA CC (Multi Adjuster Closed Cartridge)		
Wheel travel front/rear	300/335 mm (11.8/13.2 in)		
Rear suspension	WP PDS 5018 DCC (Progressive Damping System)		
Front brake	Disc brake with carbon-steel brake disc Ø 260 mm (10.2 in), brake caliper floated		
Rear brake	Disc brake with carbon-steel brake disc Ø 220 mm (8.7 in), brake caliper floated		
Brake discs	Wear limit 2.50 mm (0.1 in) front / 3.50 mm (0.14 in) rear		
Front tires	Bridgestone M59 80/100-21"	Bridgestone M59 80/100-21"	Bridgestone M59 80/100-21"
Air pressure offroad	1.0 bar (14 psi)		
Rear tires	Bridgestone M70 100/90-19"	Bridgestone M70 100/90-19"	Bridgestone M70 110/90-19"
Air pressure offroad	1.0 bar (14 psi)		
Fuel tank capacity	8 liters (2.1 USgal)		
Final drive ratio	13:50 t	14:50 t	13:48 t
Available final sprockets	38t, 40t, 42t, 45t, 48t, 49t, 50t, 51t, 52t		
Chain	5/8 x 1/4 "		
Steering head angle	63°	63°	63,5°
Wheel base	1471 ± 10 mm (57.9 in ± 0.4 in)	1471 ± 10 mm (57.9 in ± 0.4 in)	1475 ± 10 mm (58.1 in ± 0.4 in)
Seat height, unloaded	985 mm (38.8 in)		
Ground clearance, unloaded	390 mm (15.3 in)	390 mm (15.3 in)	385 mm (15.2 in)
Weight (without fuel)	90.8 kg (200.4 lbs)	90.8 kg (200.4 lbs)	95,4 kg (210.3 lbs)

STANDARD ADJUSTMENT – FORK		
	125/150 SX	250 SX
	WP 4860 MXMA CC 14.18.7E.01	WP 4860 MXMA CC 14.18.7E.03
Compression adjuster	15 clicks	12 clicks
Rebound adjuster	21 clicks	20 clicks
Spring	432.485.00.042W	432.485.00.044W
Fork oil	SAE 5	SAE 5

STANDARD ADJUSTMENT – SHOCK ABSORBER		
	125/150 SX	250 SX
	WP 5018 PDS DCC 12.18.7E.01	WP 5018 PDS DCC 12.18.7E.03
Compression adjuster		
Low speed	15 clicks	15 clicks
High speed	1 turn	1.5 turns
Rebound adjuster	23 clicks	22 clicks
Spring	63-250	69-250
Spring preload	5 mm (0.19 in)	6 mm (0.19 in)

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TIGHTENING TORQUES – CHASSIS		
Collar screw front wheel spindle	M24x1.5	45 Nm
Colear screws front brake caliper	M8 (10.9)	Loctite 243 + 25 Nm
Collar screws brake disks	M6 (10.9)	14 Nm
Clamping screws upper fork bridge	M8 (10.9)	17 Nm
Clamping screws lower fork bridge	M8 (10.9)	12 Nm
Clamping screws upper steering stem	M8x25 (10.9)	Loctite 243 + 17 Nm
Collar screw top steering stem	M20x1.5	10 Nm
Collar screw bottom steering stem	M20x1.5	Loctite 243 + 60 Nm
Clamping screws fork stubs	M8	15 Nm
Collar nut rear wheel spindle	M20x1.5	80 Nm
Hexagon nut swing arm bolt	M16x1.5	100 Nm
Collar screws handlebar clamp	M8 (10.9)	20 Nm
Allan head screws handlebar support	M10 (10.9)	Loctite 243 + 40 Nm
Collar screw shock absorber top	M12 (10.9)	Loctite 243 + 80 Nm
Collar screw shock absorber bottom	M12 (10.9)	Loctite 243 + 80 Nm
Flat-head screws subframe	M8 (10.9)	Loctite 243 + 40 Nm
Collar nuts rear sprocket screws	M8 (10.9)	Loctite 243 + 35 Nm
Collar screw ball joint push rod rear brake cylinder	M6 (10.9)	10 Nm
Engine mounting bolts	M10 (10.9)	60 Nm
Engine brace	M8 (10.9)	33 Nm
Screw adjusting ring spring preload shock absorber	M6	8 Nm
Spoke nipple	M4.5 / M5	5 Nm
Other collar screws on chassis	M6	10 Nm
	M8	25 Nm
	M10	45 Nm
Other collar nuts on chassis	M6	15 Nm
	M8	30 Nm
	M10	50 Nm