

TECHNICAL DATA - CHASIS 250/400/450/525 SX, MXC, EXC RACING 2005

CHASSIS	450/525 SX	250/400/450/525 EXC/MXC DESERT	450/525 MXC-G, EXC-G USA
Frame	Central tube chrome-moly-steel frame		
Fork	4860 PA/MA	WP Up Side Down 4860 MA	
Wheel travel front/rear	300/335 mm		
Rear suspension	WP Progressive Damping System shock absorber, aluminium swing arm		
Front brake	Disk brake with carbon-steel brake disc Ø 260 mm (10.2 in), brake caliper floated		
Rear brake	Disk brake with carbon-steel brake disc Ø 220 mm (8.7 in), brake caliper floated		
Brake disc	Wear limit max. 2,5 mm front and 3,5 mm rear		
Front tires	80/100 - 21"	90/90 - 21"	80/100 - 21"
Air pressure offroad	1.0 bar (14 psi)	1.0 bar (14 psi)	1.0 bar (14 psi)
Air pressure road driver only	-	1,5 bar	1.5 bar (21 psi)
Rear tires	110/90 - 19"	140/80 - 18"	110/100 - 18"
Air pressure offroad	1.0 bar (14 psi)	1.0 bar (14 psi)	1.0 bar (14 psi)
Air pressure road driver only	-	2.0 bar (28 psi)	2.0 bar (28 psi)
Fuel tank capacity	7 liters (2 US gallons)	EXC 8,5 liters (2.1 US gallons)	MXC 13 Liter (3.5 gallons)
Final drive ratio	450-14:52Z / 525-14:48Z	250-15:45Z / 450-15:45Z / 525-15:45Z	450-14:50Z / 525-14:48Z
Chain	X-Ring 5/8 x 1/4 "		
Available final sprockets	38Z, 40Z, 42Z, 45Z, 48Z, 50Z, 52Z		
Bulbs	headlight	12V 35/35W (Socket BA20D)	
	parking light	12V 5W (Socket W2, 1x9,5d)	
	brake - rear light	12V 21/5W (Socket BaY15d)	
	flasher light	12V 10W (Socket Ba15s)	
	license plate illumination	12V 1,2W (Socket 1x4,6d)	
Battery	maintenance-free battery 12V 8Ah		
Steering head angle	63,5°		
Wheel base	1481 ± 10 mm (58.3 ± 0.4 in)		
Seat height, unloaded	925 mm (36.5 in)		
Ground clearance, unloaded	380 mm (15.1 in)		

STANDARD ADJUSTMENT - FORK		
	SX	MXC, MXC Desert, EXC, EXC-G
	WP4860PA/MA 14187A05	WP4860MA 14187A06
Compression adjuster	22	20
Rebound adjuster	20	20
Spring	4,6 N/mm	4,2 N/mm
Spring preload	5 mm	5 mm
Air chamber length	100 mm	110 mm
Fork oil	SAE 5	SAE 5

STANADARD ADJUSTMENT-SHOCK ABSORBER		
	SX	MXC, MXC Desert, EXC, EXC-G
	WP 5018 PDS DCC 12187A05	WP 5018 PDS MCC 12187A06
Compression adjuster	15 LS (low speed) 2 HS (high speed)	15
Rebound adjuster	22	22
Spring	88/250	88/250
Spring preload	7 mm	7 mm

TIGHTENING TORQUES - CHASSIS		
Collar screw, front wheel spindle	M24x1,5	40 Nm
Brake caliper, front	M8	Loctite 243 + 25 Nm
Brake caliper, front radial	M10x1,5	Loctite 243 + 40 Nm
Brake disk, front/rear	M6	Loctite 243 + 10 Nm
Clamping screws, top triple clamp SX/SMR/SXS	M8	15 Nm
Clamping screws, bottom triple clamp SX/SMR/SXS	M8	10 Nm
Clamping screws, top triple clamp MXC/EXC	M8	20 Nm
Clamping screws, bottom triple clamp MXC/EXC	M8	15 Nm
Clamping screws, fork stubs	M8	15 Nm
Collar nut, rear wheel spindle	M20x1,5	80 Nm
Hexagon nut, swing arm bolt	M14x1,5/M16x1,5	100 Nm
Hexagon collar screw, handlebar clamp	M8	Loctite 243 + 20 Nm
Allan head screw, handlebar support	M10	Loctite 243 + 40 Nm
Shock absorber, top/bottom	M12	80 Nm
Sprocket nuts	M8	Loctite 243 + 35 Nm
Ball joint for push rod	M6	Loctite 243 + 10 Nm
Engine mounting bolt	M10	60 Nm
Engine brace	M8	33 Nm
Screw adjusting ring spring preload shock abs	M6	8Nm
Spoke nipple	M4,5 / M5	4-6 Nm
Hexagon screw for steering head	M20x1,5	10 Nm
AH screw for subframe	M8	Loctite 243 + 35 Nm
Rim lock	M8	10 Nm
Hexagon collar nut for seat mounting	M12x1	20 Nm
Other 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