

TECHNICAL SPECIFICATIONS – CHASSIS 125 SX, EXC, 200 EXC 2005 »

CHASSIS	125 SX	125 EXC	200 EXC
Frame	Central chrome-moly-steel frame		
Fork	White Power – Upside down 48 MA		
Wheel travel front/rear	300/335 mm (11.8/13.2 in)		
Rear suspension	WP PDS 5018 (Progressive Damping System) shock absorber, aluminium swingarm		
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	80/100 - 21" 51M, M59	90/90 - 21" MT 83	90/90 - 21" MT 83
Front tires USA	80/100 - 21" 51M, M59	–	80/100 - 21" 51M, M59
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 (21 psi)	1,5 bar (21 psi)
Rear tires	100/90 - 19" 57M, M70	120/90 - 18" MT 83	120/90 - 18" MT 83
Rear tires USA	100/90 - 19" 57M, M70	–	100/100 - 18" 59M, M402
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	7.5 liters (2 US gallons)	8.5 liters (2.2 US gallons)	8.5 / 10.5 liters (2.2 / 2.8 US gallons)
Final drive ratio	13:50 t	14:42 t	14:42 t
Final drive ratio USA	13:50 t	13:50 t	14:48 t
Chain	5/8 x 1/4 "		
Available final sprockets	38t, 40t, 42t, 45t, 48t, 49t, 50t, 51t, 52t		
Bulbs	headlight	12V 35/35W Bilux (base Ba20d)	
	parking light	12V 5W (base W2, 1x9,5d)	
	brake-rear light	12V 21/5W (base BaY15d)	
	flasher light	12V 10W (base Ba15s)	
	license plate illumination	12V 1,2W (base 1x4,6d)	
Steering head angle	63°		
Wheel base	1471 ± 10 mm (57.9 in ± 0.4 in)		
Seat height, unloaded	925 mm (36,5 in)		
Ground clearance, unloaded	390 mm (15,3 in)		

STANDARD ADJUSTMENT – FORK		
	125 SX	125/200 EXC
	WP 4860 MA-PA 14187A01	WP 4860 MA 14187A02
Compression adjuster	20	22
Rebound adjuster	20	21
Spring	4,2 N/mm	3,8 N/mm
Spring preload	5 mm	5 mm
Air chamber length	100 mm	110 mm
Fork oil	SAE 5	SAE 5

STANDARD ADJUSTMENT – SHOCK ABSORBER		
	125 SX	125/200 EXC
	WP PDS 5018 DCC 12187A01	WP PDS 5018 MCC 12187A02
Compression adjuster	15 LS (low speed) 1,5 HS (high speed)	15 –
Rebound adjuster	22	22
Spring	72 N/mm linear	72 N/mm linear
Spring preload	7 mm	7 mm

TIGHTENING TORQUES 125 SX, EXC, 200 EXC 2005 »

TIGHTENING TORQUES – CHASSIS		
Collar screw, front wheel spindle	M24x1,5	40 Nm
Brake caliper, front	M8	Loctite 243 + 25 Nm
Brake disks	M6	Loctite 243 + 10 Nm
Clamping screws, upper fork bridge (EXC)	M8	20 Nm
Clamping screws, lower fork bridge (EXC)	M8	15 Nm
Clamping screws, upper fork bridge (SX)	M8	15 Nm
Clamping screws, lower fork bridge (SX)	M8	10 Nm
Clamping screws, fork stubs	M8	10 Nm
Collar nut, rear wheel spindle	M20x1,5	80 Nm
Hexagon nut, swing arm bolt	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	M12	80 Nm
Shock absorber, bottom	M12	80 Nm
Sprocket screws	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	8 Nm
Spoke nipple	M4,5 / M5	5 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

TIGHTENING TORQUES - ENGINE		
Flange bolts - cylinder-head	M7	18 Nm
Nuts-cylinder base	M8	30 Nm
Flywheel collar nut	M12x1	60 Nm
Nut for primary sprocket (LH thread)	M16x1,5	130 Nm
Nut for inner clutch hub	M18x1,5	130 Nm
Crankcase and clutch cover bolts	M6	10 Nm
Spark plug	M 14X1,25	25 Nm
Swingarm pivot	M16x1,5	100 Nm
Carburetor nipple (throttle slide)	M10x0,75	4 Nm
Carburetor plug	M18x1	4 Nm
Other screws	M 6	10 Nm
	M 8	25 Nm
	M 10	45 Nm