

TECHNICAL SPECIFICATIONS - CHASSIS 640 LC4, 640 LC4 SUPERMOTO 2003

	640 LC4	640 LC4 Supermoto
Frame	Central chrome-moly-steel frame	
Fork	White Power – Up Side Down 4357 MXMA	White Power – Up Side Down 4860 MXMA
Wheel travel front/rear	270 / 300 mm (10,6 / 11.8 in)	265 / 310 mm (10,4 / 12,2 in)
Rear suspension	Central shock absorber (WP BAVP3612) with PRO-LEVER linkage to rear- swing-arm with needle bearing	
Front brake	Disc brake with carbon-steel brake disc, 2-piston brake caliper floated	Disc brake with carbon-steel brake disc, 4-piston brake caliper
Front brake disc	Ø 300 mm (11.8 in)	Ø 320 mm (12.6 in)
Rear brake	Disc brake with carbon-steel brake disc Ø 220 mm (8.7 in), brake caliper floated	
Tyres front	90/90-21	120/70-17
Air press. road, driver only	1.8 bar (26 psi)	2.0 bar (29 psi)
Air press. road with passenger	2.0 bar (29 psi)	2.2 bar (31 psi)
Tyres rear	130/80-18	160/60-17
Air press. road, driver only	2.0 bar (29 psi)	2.2 bar (31 psi)
Air press. road with passenger	2.2 bar (31 psi)	2.4 bar (34 psi)
Fuel tank capacity	11 liter (2.9 US gallons), 2.5 liter (0.6 US gallons) reserve	
Final drive ratio	16:42t	17:42t
Chain	X – Ring 5/8 x 1/4"	
Bulbs	headlight H4 12V 60/55W (socket P43t) parking light 12V 5W (socket W2,1x9,5d) instrument lights 12V 1,2W (socket W2x4,6d) indicator lamps 12V 1,2W (socket W2x4,6d) brake – rear light 12V 21/5 W (socket BaY15d) flasher light 12V 10W (socket Ba15s) license plate illumination . . . 12V 5W (socket W2,1x9,5 d)	
Battery	maintenance-free battery 12V 8,6Ah	
Steering angle	62°	63°
Wheel base	1510 ± 10 mm (59.4 ± 0.4 in)	
Seat high	925 mm (36.4 in)	910 mm (35.9 in)
Ground clearance	310 mm (12.2 in)	290 mm (11.4 in)
Dead weight without fuel	149kg (329 lbs)	149 kg (329 lbs)
Max. permissible front axle load	150 kg (331 lbs)	
Max. permissible rear axle load	230 kg (508 lbs)	
Max. permissible laden weight	350 kg (773 lbs)	

STANDARD ADJUSTMENT - FORK		
	640 LC4	640 LC4 SUPERMOTO
	WP 0518X730	WP 0518X738
Compression adjuster	20	20
Rebound adjuster	12	15
Spring	4,2 N/mm	4,4 N/mm
Spring preload	6 mm (0.24in)	28 mm (1.1in)
Air chamber length	150 mm (5,9in)	110 mm (4.3in)
Fork oil	SAE 5	SAE 5

STANDARD-ADJUSTMENT - SHOCK ABSORBER		
	640 LC4	640 LC4 SUPERMOTO
	WP 0118X729	WP 0118X730
Compression adjuster	3	4
Rebound adjuster	7	8
Spring	66 / 260	70 / 260
Spring preload	23,5 mm(0,93in)	16 mm(0,63in)

TIGHTENING TORQUES - CHASSIS

Collar nut front axle	M16x1,5	40 Nm
Collar nut rear axle	M20x1,5	80 Nm
Shock absorber top	M10	45 Nm
Shock absorber bottom	M10	45 Nm
Collar screws brake disk front/rear	M6 (10.9)	Loctite 243 + 10 Nm
Screw brake caliper front (LC4)	M8	Loctite 243 + 25 Nm
Screw brake caliper front (Supermoto)	M10	Loctite 243 + 40 Nm
Bearing bolt linkage arm/frame	M12	60 Nm
Collar nuts rocker arm bolts	M14x1,5	100 Nm
Engine mounting screw	M10	45 Nm
Ball joint for push rod	M8	Loctite 243 + 25 Nm
Sprocket screws on nuts	M8	Loctite 243 + 35 Nm
Hexagon nut swingarm bolt	M14x1,5	100 Nm
Clamping screws top triple clamp	M8	20 Nm
Clamping screws bottom triple clamp	M8	15 Nm
Clamping screws fork stubs	M8	10 Nm
Screws handlebar clamp	M8	Loctite 243 + 20 Nm
Allan head screw handle bar support	M10	Loctite 243 + 20 Nm
Spoke nipple	M4	4 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