

TECHNICAL SPECIFICATIONS - CHASSIS 400/640 LC4-E, 640 LC4-E SUPERMOTO 2001

	400 LC4-E	640 LC4-E	640 LC4-E SUPERMOTO
Frame	Central chrome-moly-steel frame		
Fork	White Power – Up Side Down 43		
Wheel travel front/rear	270 / 300 mm (10,6 / 11,8 in)		
Rear suspension	Central shock absorber (WP) with PRO-LEVER linkage to rear-swingarm with needle bearing		
Front brake	Disc brake with carbon-steel brake disc, brake caliper floated		
Brake Disk front	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	1,5 bar (21 psi)		2,0 bar (28 psi)
Air press. road, with passenger	2,0 bar (28 psi)		2,2 bar (31 psi)
Tyres rear	140/80-18		160/60-17
Air press. road, driver only	2,0 bar (28 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) / 18 liter (4,75 US gallons) 2,5 liter (0,66 US gallons) reserve		
Final drive ratio	15:45	16:42	17:42
Chain	5/8 x 1/4 " O-Ring		
Lamps	head light H4 12V 60/55W (socket P43t) parking light 12V 5W (socket W2,1x9,5d) speedometer, tachometer light 12V 1,2W (socket W2x4,6d) indicator lamp 12V 1,2W (socket W2x4,6d) stop and taillight 12V 21/5W (socket BaY15d) flasher 12V 10W (socket Ba15s) license plate illumination 12V 5W (socket W2,1x9,5d)		
Battery	12V 8Ah		
Steering angle	62,5°		63°
Wheel base	1510 ± 10 mm (59,4 ± 0,4 in)		
Seat high	955 mm (37,6 in)		935 mm (36,8 in)
Ground clearance	355 mm (14 in)		335 mm (13,2 in)
Dead weight without fuel	136 kg (300 lbs)		137 kg (302 lbs)
Max. permissible front axle load	211 kg (466 lbs)		
Max. permissible rear axle load	335 kg (740 lbs)		
Max. permissible laden weight	350 kg (773 lbs)		

STANDARD ADJUSTMENT - FORK

	400/640 LC4-E	640 LC4-E SUPERMOTO
	WP 0518V707	WP 0518V721
Compression adjuster	20	14
Rebound adjuster	12	14
Spring	4,4 N/mm	5,0 N/mm
Spring preload	6 mm	8 mm
Air chamber length	150 mm	130 mm
Fork oil	SAE 5	SAE 5

STANDARD-ADJUSTMENT - SHOCK ABSORBER

	400/640 LC4-E	640 LC4-E SUPERMOTO
	WP 0118V710	WP 0118V720
Compression adjuster	6	5
Rebound adjuster	7	7
Spring	66 / 260	75 / 260
Spring preload	27 mm	15

TIGHTENING TORQUES - ENGINE			
Hexagon nut at primary gear	M20x1,5	Loctite 243 + 170 Nm	(125 ft.lb)
Collar nut flywheel (LC4, ADVENT, DUKE)	M16x1,25 left	80° C + 150 Nm	(110 ft.lb)
Collar nut flywheel (SC, SXC)	M12x1 left	60 Nm	(44 ft.lb)
Hexagon nut for inner clutch hub	M18x1,5	Loctite 648 + 80 Nm	(59ft.lb)
Kickstarter stop screw	M12x1,5	50 Nm	(37ft.lb)
Allan head screw freewheel hub (E-STARTER)	M6x12/M6x12,5	Loctite 648 + 18 Nm	(13ft.lb)
Allan head screw oil pumps	M6	Loctite 243 + 8 Nm	(6ft.lb)
Hexagon screw camshaft gear	M10	Loctite 243 + 35 Nm	(25ft.lb)
Allan head screw cylinder head top sect.(SC, SXC)	M6x25	8 Nm	(6ft.lb)
Allan head screw cylinder head top sect.(LC4,ADVENT,DUKE)	M6x25/M6x65/M6x70 (8.8)	8 Nm	(6ft.lb)
Allan head screw cylinder head top sect.	M6x50/M6x55 (12.9)	20 Nm	(15ft.lb)
Allan head screw cylinder head top sect.(SC, SXC)	M6x65/M6x70 (8.8)	8 Nm	(6ft.lb)
Cylinder head screws	M10	50 Nm	(37ft.lb)
Collar nuts at cylinder base	M10	40 Nm	(30ft.lb)
Hexagon screw chain sprocket	M10	Loctite 243 + 40 Nm	(30ft.lb)
Oil drain plug	M22x1,5	30 Nm	(22ft.lb)
Magnetic plug	M12x1,5	20 Nm	(15ft.lb)
Plug bypass valve	M12x1,5	20 Nm	(15ft.lb)
Hollow screws oil lines	M8x1	10 Nm	(7ft.lb)
Hollow screws oil lines	M10x1	15 Nm	(11ft.lb)
Jet screw clutch cover	M8	10 Nm	(7ft.lb)
Screw plug timing-chain tensioner	M12x1,5	20 Nm	(15ft.lb)
Counternuts valve adjusting screws	M7x0,75	20 Nm	(15ft.lb)
Crankshaft locking bolt	M8	25 Nm	(19ft.lb)
Spark plug	M12x1,25	20 Nm	(15ft.lb)
Engine mounting bolt	M8	40 Nm	(30ft.lb)
Engine mounting bolt	M10	70 Nm	(52ft.lb)

TIGHTENING TORQUES - CHASSIS			
Collar nut front axle	M16x1,5, M17	40 Nm	(30ft.lb)
Collar nut front axle (400 SXC)	M10	40 Nm	(30ft.lb)
Collar nut rear axle	M20x1,5	80 Nm	(59ft.lb)
Shock absorber top	M10	45 Nm	(33ft.lb)
Shock absorber bottom	M10	45 Nm	(33ft.lb)
Collar screws brake disk front	M6	Loctite 243 + 10Nm	(7ft.lb)
Collar screws brake disk rear	M6	Loctite 243 + 10Nm	(7ft.lb)
Screw brake caliper front	M8	Loctite 243 + 25 Nm	(19ft.lb)
Allan head screw brake caliper front (DUKE)	M10x1,25	Loctite 243 + 45 Nm	(33ft.lb)
Allan head screw brake caliper support rear (DUKE)	M10	40 Nm	(37ft.lb)
Bearing bolt linkage arm/frame	M12	60 Nm	(44ft.lb)
Collar nuts rocker arm bolts	M14x1,5	100 Nm	(74ft.lb)
Engine mounting screw	M10	45 Nm	(33ft.lb)
Ball joint for push rod	M8	Loctite 243 + 25 Nm	(19ft.lb)
Sprocket screws on nuts	M8	Loctite 243 + 35 Nm	(25ft.lb)
Collar nut swingarm bolt	M14x1,5	100 Nm	(74ft.lb)
Clamping screws top triple clamp (USD 43)	M8	20 Nm	(15ft.lb)
Clamping screws top triple clamp (EXTREME)	M8	15 Nm	(11ft.lb)
Clamping screws top triple clamp (USD 48)			
Clamping screws bottom triple clamp (USD 43)	M8	15 Nm	(11ft.lb)
Clamping screws bottom triple clamp (EXTREME)	M8	20 Nm	(15ft.lb)
Clamping screws bottom triple clamp (USD 48)			
Clamping screws fork stubs	M8	10 Nm	(7ft.lb)
Collar nut for eccentric chain adjuster (DUKE)	M10	40 Nm	(30ft.lb)
Screws handlebar clamp	M8	Loctite 243 + 20 Nm	(15ft.lb)
Allan head screw handle bar support	M10	Loctite 243 + 40 Nm	(30ft.lb)
Other screws on chassis	M6	10 Nm	(7ft.lb)
	M8	25 Nm	(19ft.lb)
	M10	45 Nm	(33ft.lb)
Other collar nuts on chassis	M6	15 Nm	(11ft.lb)
	M8	30 Nm	(22ft.lb)
	M10	50 Nm	(37ft.lb)