

CHASSIS	990 SUPER DUKE / R 2009
Frame	Tubular chrome-molybdenum-steel space frame
Fork	WP Suspension – Up Side Down 4860 ROMA
Spring travel front	135 mm (5.3 in)
Rear suspension	WP Suspension 4618 BAVP
Spring travel rear	Super Duke: 160 mm (6.3 in) Super Duke R: 150 mm (5.9 in)
Front brake	Disk brake, 2 perforated brake disks Ø 320 mm (12.6 in), brake calipers radially bolted
Rear brake	Disk brake, perforated brake disk Ø 240 mm (9.4 in), floating brake caliper
Authorized front tires *	DUNLOP Sportmax D208 RR 120/70 ZR17 M/C 58W
Air pressure front	Road, driver only.....2.4 bar Road, with passenger / maximum payload2.4 bar
Authorized rear tires *	DUNLOP Sportmax D208 RR 180/55 ZR17 M/C 73W
Air pressure rear	Road, driver only.....2.4 bar Road, with passenger / maximum payload2.6 bar
Fuel tank capacity	18.5 liters (4.9 USgal), 3.5 (0.9 USgal) liters Reserve
Gear ratio – rear wheel	16:38
Chain	5/8 x 5/16" X-ring
Lighting	high beamH3 12V 55W (socket PK22s) low beamH7 12V 55W (socket PX26d) USA: high beam + low beamH4 12V 60/55 W (socket P43t) position light front12V 5W (socket W2,1x9,5d) indicator lampsLED position light rear12V WR5W (socket W2,1x9,5d)Super Duke R: LED USA: position light rear12V 5W (socket W2,1x9,5d)Super Duke R: LED stoplight12V PR21W (socket BAW15s)Super Duke R: LED USA: stoplight12V 21W (socket BA15s)Super Duke R: LED flashers12V RY10W (socket BAU15s) licens plate illumination12V 5W (socket W2,1x9,5d)

* further tire releases are available on the Internet at www.ktm.com

CHASSIS	990 SUPER DUKE / R 2009	
Battery	maintenance-free battery 12V 11.2 Ah	
Steering head angle	Super Duke: 66.1°	Super Duke R: 67.3°
Wheel base	1450 ± 10 mm (57 ± 0.4 in)	
Seat height, unloaded	Super Duke: 850 mm (33.5 in)	Super Duke R: 860 mm (33.9 in)
Ground clearance, unloaded	Super Duke: 140 mm (5.5 in)	Super Duke R: 150 mm (5.9 in)
Dry weight	186 kg (410.6 lbs)	
Max. axle load front	180 kg (397.3 lbs)	
Max. axle load rear	250 kg (551.8 lbs)	
Max. total load	387 kg (854.2 lbs)	

BASIC SETTING FORK WP 4860 ROMA	Super Duke				Super Duke R			
	Driving Comfort	Basic Setting	Driving Sport	Maximum Payload	Basic Setting	Driving Sport	Race course	Maximum Payload
Compression adjuster (clicks)	20	15	10	10	18	18	14	18
Rebound adjuster (clicks)	20	15	10	10	16	16	12	16
Spring preload (turns)	5	5	5	5	5	5	5	5
Spring	9.5 N/mm				9.5 N/mm			
Air chamber length	110 mm (4.3 in)				80 mm (3.5 in)			
Fork oil	SAE 5 (WP 4860.0765)							

BASIC SETTING SHOCK ABSORBER WP 4618 BAVP	Super Duke				Super Duke R			
	Driving Comfort	Basic Setting	Driving Sport	Maximum Payload	Basic Setting	Driving Sport	Race course	Maximum Payload
Compression adj. Low Speed (clicks)	25	20	10	10	20	16	10	16
Compression adj. High Speed (turns)	2	1.5	1	1	2.5	1.5	1	1.5
Rebound adjuster (clicks)	20	12	8	8	12	12	8	12
Spring preload (mm)	6	6	6	6	5	5	5	5
Spring	170/185				180/185			

TIGHTENING TORQUES – CHASSIS 2009		
Collar bolt on front wheel spindle	M24x1.5	60 Nm
Collar nut wheel spindle rear	M25x1.5	90 Nm
AH bolt shock absorber top/bottom	M14x1.5	80 Nm
Collar nut for swing arm bolt	M19x1.5	130 Nm
AH bolts on subframe	M8	Loctite 243 + 25 Nm
AH bolts on back of footrest support	M8	Loctite 243 + 25 Nm
Engine carrier bolts	M10	45 Nm
HH clamp bolts on top triple clamp	M8	12 Nm
HH clamp bolts on bottom triple clamp	M8	15 Nm
HH screw for steering head	M20x1.5	12 Nm
HH clamp bolts on fork leg axle passages	M8	15 Nm
Collar bolts for handlebar clamps	M8	20 Nm
AH bolt for handlebar mount (Super Duke)	M10	20 Nm
AH bolt for handlebar mount (Super Duke R)	M10	45 Nm
HH clamp bolts for steering stem	M8	20 Nm
Collar bolt front/rear brake disk	M8x1.25	Loctite 243 + 30 Nm
HH bolts on front brake caliper	M10x1.25	Loctite 243 + 45 Nm
HH bolts on handbrake cylinder	M6	10 Nm
HH bolts on footbrake cylinder	M6	Loctite 243 + 10 Nm
AH bearing bolt for foot brake pedal, shift lever	M8	Loctite 243 + 25 Nm
HH screw on cover plate for foot brake lever/shift mechanism	M6	Loctite 243 + 2 Nm
Relay for shift shaft (on connecting support)	M8	Loctite 243 + 25 Nm
Relay for shift shaft (on shift shaft)	M6	Loctite 243 + 18 Nm
Gearshift rod attachment	M6	Loctite 243 + 12 Nm
HH bolts on foot brake pedal surface	M5	Loctite 243 + 6 Nm

TIGHTENING TORQUES – CHASSIS 2009		
AH bolts for side stand bracket - engine	M10	Loctite 243 + 45 Nm
HH bolts for side stand fixture - side stand bracket	M10	Loctite 243 + 25 Nm
HH bolts for side stand mounting	M10	Loctite 243 + 35 Nm
HH bolt for spring rest on side stand	M8	Loctite 243 + 25 Nm
HH bolt for side stand switch	M4	Loctite 243 + 2 Nm
Drain plug on oil tank	M12x1.5	25 Nm
Exhaust nuts on manifold	M8	evenly, do not bend sheet metal
Exhaust clamps	M8	8 Nm
Exhaust clamps for ball joint	M8	35 Nm
AH bolts on tank cover	M5	5 Nm
HH bolts on tank mounting	M6	6 Nm
Collar screws for in-tank pump	M6	6 Nm
AH screw on arm for tank support	M10	15 Nm
Collar screw for gas pressure shock absorber	M6	6 Nm
Seat fixing plate	M5	4 Nm
HH nut for seat lock	M19x1	8 Nm
Jerk damper bolt - rear wheel	M10x1.25	Loctite 243 + 50 Nm
Chainguard	M5	5 Nm
Chain sliding guard	M5	Loctite 243 + 6 Nm
Front spoiler	M6	Loctite 243 + 10 Nm
Taillight	M6	8 Nm
Screw, steering damper, fork leg clamp (Super Duke R)	M8	Loctite 243 + 10 Nm
Screw, steering damper, top triple clamp (Super Duke R)	M8	Loctite 243 + 10 Nm
Screw, steering damper, piston rod (Super Duke R)	M8	Loctite 243 + 10 Nm
Screw, steering damper, clamp (Super Duke R)	M6	Loctite 243 + 4 Nm

TIGHTENING TORQUES – CHASSIS 2009		
Other bolts 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