

CHASSIS	990 SUPER DUKE
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	160 mm (6.3 in)
Front brake	Disk brake, 2 perforated brake disks Ø 320 mm (12.6 in), fixed brake calipers
Rear brake	Scheibenbremse, gelochte Bremsscheibe Ø 240 mm (9.4 in), Bremszange schwimmend gelagert
Tires, front	120/70 ZR17 M/C 58W
Air pressure	Road, driver only.....2.4 bar (34 psi) Road, with passenger2.4 bar (34 psi) maximum payload2.4 bar (34 psi)
Tires, rear	180/55 ZR17 M/C 73W
Air pressure	Road, driver only.....2.4 bar (34 psi) Road, with passenger2.6 bar (37 psi) maximum payload2.6 bar (37 psi)
Fuel tank capacity	15 liters (4 USgal), 4 liters (1 USgal) reserve
Gear ratio – rear wheel	17:38
Chain	5/8 x 5/16" X-ring
Lighting	high beamH3 12V 55W (socket PK22s) low beamH7 12V 55W (socket PX26d) position light front12V 5W (socket W2,1x9,5d) indicator lampsLED position light rear.....12V 5W (socket W2,1x9,5d) stoplight12V 21W (socket BA15s) flashers.....12V 10W (socket BA15s) licens plate illumination12V 5W (socket W2,1x9,5d)

CHASSIS	990 SUPER DUKE
Battery	maintenance-free battery 12V 11.2 Ah
Steering head angle	66.5°
Wheel base	1438 ± 10 mm (56.6 ± 0.4 in)
Seat height, unloaded	855 mm (33.6 in)
Ground clearance, unloaded	165 mm (6.5 in)
Dry weight	184 kg (406.2 lbs)
Max. axle load, front	200 kg (441.5 lbs)
Max. axle load, rear	220 kg (485.6 lbs)
Max. total weight	380 kg (838.8 lbs)

BASIC SETTING FORK WP 4860 ROMA 990 SUPER DUKE	Driving Comfort	Basic Setting	Driving Sport	Maximum Payload
	Compression adjuster (clicks)	20	15	10
Rebound adjuster (clicks)	20	15	10	15
Spring preload (turns)	5	5	5	6
Spring	9 N/mm			
Air chamber length	110 mm (4.3 in)			
Fork oil	SAE 5 (WP 4860.0401)			

BASIC SETTING SHOCK ABSORBER WP 4618 BAVP 990 SUPER DUKE	Driving Comfort	Basic Setting	Driving Sport	Maximum Payload
	Compression adjuster Low Speed (clicks)	25	20	10
Compression adjuster High Speed (turns)	2,5	2	2	1,5
Rebound adjuster (clicks)	22	17	10	5
Spring preload	6 mm (0.24 in)			
Spring	160/185			

TIGHTENING TORQUES – CHASSIS		
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	M10	20 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 + 10 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
AH bolts for side stand bracket - engine	M10	Loctite 243 + 45 Nm

TIGHTENING TORQUES – CHASSIS		
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	20 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	5 Nm
Front spoiler	M6	Loctite 243 + 10 Nm
Taillight	M6	8 Nm
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