

CHASSIS	990 ADVENTURE / 990 ADVENTURE S
Frame	Tubular chrome-molybdenum-steel space frame
Fork	WP – Up Side Down 4860 MXMA (Multiadjuster)
Wheel travel front	ADVENTURE = 210 mm (8.3 in), ADVENTURE S = 245 mm (9.6 in)
Rear suspension	WP Suspension Progressive Damping System shock absorber with hydraulic preload adjuster
Wheel travel rear	ADVENTURE = 210 mm (8.3 in), ADVENTURE S = 245 mm (9.6 in)
Front brake	Disk brake, 2 perforated brake disks Ø 300 mm (11.8 in), floating brake calipers and brake disks
Rear brake	Disk brake, perforated brake disk Ø 240 mm (9.5 in), floating brake calipers and brake disks
ABS (antilock brake system)	ADVENTURE: Brembo/Bosch with 2 independent brake circuits / ADVENTURE S: –
Authorized front tires	Pirelli MT90 90/90 21 M/C 54V Up to a max. of 160 kph/100 mph: Continental TKC80 90/90-21 M/C 54S TT M+S
Air pressure front	road/driver only 2,4 bar (34 psi) road/with passenger 2,4 bar (34 psi)
Authorized rear tires	Pirelli MT90 150/70 18 M/C 70V Up to a max. of 160 kph/100 mph: Continental TKC80 150/70B18 M/C 70Q TT M+S
Air pressure rear	road/driver only 2.6 bar (37 psi) road/with passenger 2.8 bar (40 psi)
Fuel tank capacity	21 liters (5.5 USgal), 4 liters (1 USgal) reserve
Gear ratio – rear wheel	17:42
Chain	525 HV (5/8 x 5/16”) X-ring, 118 rolls
Lighting	high beam H3 12V 55W (socket PK22s) low beam H7 12V 55W (socket PX26d) USA: high beam + low beam H4 12V 60/55 W (socket P43t) position light front + rear 12V 5W (socket W2.1x9.5d) indicator lamps LED stoplight 12V 21W (socket BA15s)

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Lighting	flasher 12V 10W (socket BA15s) licens plate illumination 12V 5W (socket W2.1x9,5d)
Battery	maintenance-free battery 12V 11.2 Ah
Steering head angle	63.4°
Wheel base	1570 mm (61.8 in)
Seat height, unloaded	ADVENTURE: 860 mm (33.8 in), ADVENTURE S: 895 mm (35.2 in)
Ground clearance, unloaded	ADVENTURE: 261 mm (10.3 in), ADVENTURE S: 296 mm (11.7 in)
Dry weight	ADVENTURE: 209 kg (461 lbs) / ADVENTURE S: 207 kg (457 lbs)
Max. axle load, front	200 kg (441.5 lbs)
Max. axle load, rear	250 kg (552 lbs)
Max. total weight	430 kg (949 lbs)

BASIC SETTING FORK 990 ADVENTURE 990 ADVENTURE S	Driving Comfort	Basic Setting	Driving Sport	Maximum Payload
	Compression adjuster (clicks)	20	15	10
Rebound adjuster (clicks)	23	18	13	13
Spring preload (turns)	5	5	8	7

BASIC SETTING SHOCK ABSORBER 990 ADVENTURE	Driving Comfort	Basic Setting	Driving Sport	Volle Nutzlast
	Compression adjuster Low Speed (clicks)	25	20	15
Compression adjuster High Speed (turns)	2	1,5	1	1
Rebound adjuster (clicks)	20	15	10	10
Spring preload (turns)	6	6	10	18

BASIC SETTING SHOCK ABSORBER 990 ADVENTURE S	Driving Comfort	Basic Setting	Driving Sport	Maximum Payload
	Compression adjuster Low Speed (clicks)	25	20	15
Compression adjuster High Speed (turns)	2	1,5	1	1
Rebound adjuster (clicks)	20	15	10	10
Spring preload (turns)	6	6	10	12

TIGHTENING TORQUES – CHASSIS		
HH clamp bolts on top triple clamp	M8	20 Nm
HH clamp bolts for steering stem	M8	20 Nm
HH clamp bolts on bottom triple clamp	M8	15 Nm
AH bolt for handlebar mount	M10	20 Nm
Collar bolts for handlebar clamps	M8	20 Nm
HH clamp bolts on fork leg axle passages	M8	15 Nm
Collar screw on front wheel spindle	M24x1,5	60 Nm
Collar nut wheel spindle rear	M25x1,5	90 Nm
Collar nut for swing arm bolt	M19x1,5	130 Nm
AH screw shock absorber top	M14x1,5	80 Nm
AH bolt shock absorber bottom	M14x1,5	80 Nm
AH bolt for top of brake-hose guide	M6	Loctite 243 + 8 Nm
HH bolts on front brake caliper	M8	Loctite 243 + 25 Nm
HH bolts on footbrake cylinder	M6	Loctite 243 + 10 Nm
Collar bolt front brake disks	M6	Loctite 243 + 14 Nm
Collar bolt rear brake disk	M6	Loctite 243 + 14 Nm
AH bearing bolt for foot brake pedal	M8	Loctite 243 + 25 Nm
HH bolts on foot brake pedal surface	M5	Loctite 243 + 6 Nm
AH bolts on subframe	M10x1,25	Loctite 243 + 45 Nm
AH bolts on back of footrest support	M8	Loctite 243 + 25 Nm
AH bolts on tank cover	M5	5 Nm
HH bolt on fuel level indicator	M5	3 Nm
HH bolts fuel taps	M6	6 Nm
AH bolts on tank mounting	M8	25 Nm

TIGHTENING TORQUES – CHASSIS		
Exhaust nuts on manifold	M8	evenly, do not bend sheet metal
HH bolts on exhaust suspension	M6	Loctite 243 + 12 Nm
Spoke nipple	M5	5 Nm ± 1 Nm
HH nuts on rear sprocket bolts	M10x1,25	Loctite 243 + 50 Nm
Hexagon nut on engine sprocket	M20x1,5	sheet retainer + 100 Nm
Engine carrier bolts	M10	45 Nm
HH bolts for side stand bracket - engine	M10	Loctite 243 + 45 Nm
HH bolts side stand bracket - side stand console	M10	Loctite 243 + 25 Nm
HH bolts side stand mounting	M10	Loctite 243 + 35 Nm
HH bolt spring retainer side stand	M8	Loctite 243 + 25 Nm
HH bolt side stand switch	M6	Loctite 243 + 10 Nm
HH bolts for underride protection	M8	Loctite 243 + 25 Nm
Drain plug on oil tank	M12x1,5	25 Nm
HH collar screw for front ABS sensor	M6	6 Nm
Special screw for rear ABS sensor	M6	Loctite 243 + 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