

TECHNICAL SPECIFICATIONS – CHASSIS 950 ADVENTURE/ADVENTURE S

	950 ADVENTURE / 950 ADVENTURE S
Frame	Tubular chrome-molybdenum-steel space frame, powder-coated
Fork	White Power – Up Side Down 4860 MXMA (Multiadjuster)
Spring travel front	ADVENTURE = 230 mm, ADVENTURE S = 265 mm
Rear suspension	WP Progressive Damping System shock absorber with hydraulic preload adjuster, aluminum rear wheel swinging fork supported by needle bearings
Spring travel rear	ADVENTURE = 230 mm, ADVENTURE S = 265 mm
Front brake	Disk brake, 2 perforated brake disks Ø 300 mm, floating brake calipers
Rear brake	Disk brake, perforated brake disk Ø 240 mm, floating brake caliper
Tires, front	Pirelli MT90 FRONT Scorpion A/T 90/90-21 M/C 54V TL (Metzeler MCE Karoo 2 FRONT 90/90-21 M/C 54R M+S max. 170 km/h)
Air pressure	on road/alone 2,4 bar passenger 2,4 bar
Tires, rear	Pirelli MT90 Scorpion A/T 150/70 R18 M/C 70V TL (Metzeler MCE Karoo 150/70 R18 M/C 70R M+S TL max. 170 km/h)
Air pressure	on road/alone 2,6 bar passenger 2,8 bar
Fuel tank capacity	22 liters, 4 liters reserve
Gear ratio – rear wheel	17:42
Chain	525 HV (5/8 x 5/16") X-ring, 118 rolls
Lighting	High beam headlight H3 12V 55W (PK22s base) Low beam headlight H7 12V 55W (PX26d base) High + low beam headlight H4 12V 60/55 W (P43t base) (USA) Front + rear parking light 12V 5W (W2,1x9.5d base) Instrument lights + indicator lamps LED Brake light 12V 21W (BA15s base) Turn signal 12V 10W (BA15s base) License plate illumination 12V 5W (W2,1x9.5d base)
Battery	maintenance-free battery 12V 11.2 Ah
Steering head angle	63,4°
Wheel base	1590 mm
Seat height, unloaded	ADVENTURE: 880 mm, ADVENTURE S: 915 mm
Ground clearance, unloaded	ADVENTURE: 281 mm, ADVENTURE S: 316 mm
Dry weight	206 kg
Max. axle load, front	170 kg
Max. axle load, rear	245 kg
Max. total weight	400 kg

STANDARD ADJUSTMENT – FORK	
	950 LC8 ADVENTURE WP USD 4860 MXMA
Spring	4,8 N/mm
Air chamber length	100 mm
Fork oil	SAE 5 (WP 4860.0211)

STANDARD ADJUSTMENT – SHOCK ABSORBER		
	950 ADVENTURE / ADVENTURE S WP PDS 5018 PA	
Spring	140/255	140/265

STANDARD ADJUSTMENT – FORK AND SHOCK ABSORBER																
	950 ADVENTURE								950 ADVENTURE S							
	FORK				SHOCK ABSORBER				FORK				SHOCK ABSORBER			
	Driver comfort	Standard adjustment	Driver Sport	Maximum load	Driver comfort	Standard adjustment	Driver Sport	Maximum load	Driver comfort	Standard adjustment	Driver Sport	Maximum load	Driver comfort	Standard adjustment	Driver Sport	Maximum load
Compression damping (clicks)	20	15	15	15	-	-	-	-	20	15	15	15	-	-	-	-
Compression damping, low speed (clicks)	-	-	-	-	12	8	6	6	-	-	-	-	15	12	8	8
Compression damping, high speed (turns)	-	-	-	-	1,5	1,5	1	1	-	-	-	-	1,5	1,5	1	1
Rebound (clicks)	18	18	15	18	17	12	10	10	18	18	15	18	20	17	13	13
Preload adjuster (turns)	5	5	8	5	6	6	8	18	5	5	8	5	6	6	12	12

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/M10x1.25	Loctite 243 + 25/45 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	20 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 legs	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	M6/M8x1,25	Loctite 243 + 14/30 Nm
HH bolts on front brake caliper	M8/M10x1.25	Loctite 243 + 25/45 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
AH bolt for top of brake-hose guide	M6	Loctite 243 + 8 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
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/M6	Loctite 243 + 2/10 Nm
HH nuts on rear sprocket bolts	M10	Loctite 243 + 50 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
HH bolts on exhaust suspension	M6	Loctite 243 + 12 Nm
HH bolts for underride protection	M8	Loctite 243 + 25 Nm
AH bolt on gas level indicator	M5	3 Nm
AH bolts on tank cover	M5	5 Nm
AH/HH bolts on tank mounting	M6/M8	6/25 Nm
HH bolts for fuel taps	M6	6 Nm
Collar screws for in-tank pump	M6	6 Nm
AH screw on arm for tank support	M10	25 Nm
Collar screw for gas pressure shock absorber	M6	6 Nm
Seat fixing plate	M5	4 Nm
Jerk damper bolt	M10x1,25	Loctite 243 + 50 Nm
HH nut for seat lock	M19x1	8 Nm
Chainguard	M5	5 Nm
Chain sliding guard	M5	5 Nm
ISK-Schraube Ausleger für Tankbefestigung	M10	25 Nm
Spoke nipple	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