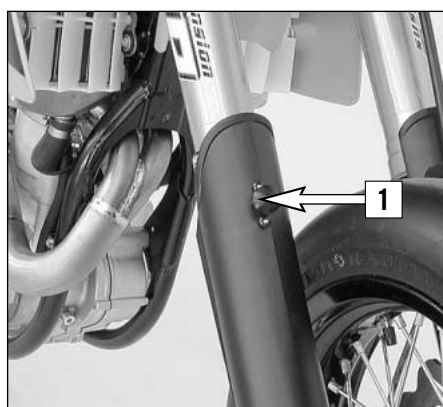| TECHNICAL DATA		
ENGINE	**125 SXS**	**250 SXS**
Design	Liquid-cooled, single-cylinder, two-stroke engine with intake and exhaust control	
Piston displacement	124.8 ccm	249 ccm
Bore / stroke	54 / 54.5 mm	66.4 / 72 mm
Fuel	unleaded fuel with at least RON 98, mixed with high grade two stroke oil	
Oil / gasoline ratio	1:40 when using high grade, two- stroke oil (Motorex Cross Power 2T). When in doubt, please contact your importer	1:60 when using high grade, two-stroke oil (Motorex Cross Power 2T). When in doubt, please contact your importer
Crankshaft bearing	1 deep-groove ball bearing / 1 cylinder roller bearing	
Connecting rod bearing	needle bearing	
Piston pin bearing	needle bearing	
Piston	cast piston	
Piston ring	1 plain compression ring	2 plain compression rings
Dimension „X" (upper edge piston-upper edge cylinder)	0.0 mm	0 + 0.1 mm
Ignition timing	1.4 mm (0.056 in) (16.5°) BTDC	1.9 mm (0.076 in) BTDC
Spark plug	NGK R6385-105P	NGK BR 8 ECM
Dimension „Z" (height of the control flap)	43 mm	48.5 mm -0.2 mm
Primary drive	straight cut spur gears, primary ratio 23 : 73	straight cut spur gears, primary ratio 26 : 72
Clutch	multiple disc clutch in oil bath, hydraulically operated (Motorex clutch-fluid 75)	
Transmission	6 speed, claw actuate	5 speed, claw actuate
1st gear	13 : 32 „1S32"	„1S14" 14 : 28 „1S28"
2nd gear	„2S15" 15 : 30 „2S30"	„2S15" 15 : 24 „2S24"
3rd gear	„3S17H" 17 : 28 „3S28H"	„3S18" 18 : 24 „3S24"
4th gear	„4S19H" 19 : 28 „4S28"	„4S21" 21 : 24 „4S24"
5th gear	„5S19H" 19 : 23 „5S23H"	„5S22" 22 : 21 „5S21"
6th gear	„6S22H" 22 : 24 „6S24H"	
Gear lubrication	0,7 Liter Motorex Top Speed 4T 15W50	
Available chain sprockets	13t / 14t / 15t for chain 5/8 x 1/4"	
Coolant	1.2 litres, 50% anti freeze, 50% water, at least -25 °C (-13 °F)	
Ignition system	KOKUSAN 2K-1	
Generator output	no generator	
Air-filter	wet foam type air filter insert	

Factory Start

Sitting on the motorcycle, lean forward over the handlebar, reach for the rim and compress the fork, press the latch button **[1]** and slowly rebound until the latch button engages in the latch ring. Let go of the latch button. The latch button will automatically be released from the latch ring when you compress for the first time while driving.

STANDARD ADJUSTMENT	
FORK 125 SXS	**WP 4860 MXMA 14187A14**
Compression adjuster	24
Rebound adjuster	26
Spring	4.2 N/mm
Spring preload	5.5 mm
Fork oil	SAE 5

STANDARD ADJUSTMENT	
FORK 250 SXS	**WP 4860 MXMA 14187A15**
Compression adjuster	24
Rebound adjuster	25
Spring	4.4 N/mm
Spring preload	5.5 mm
Fork oil	SAE 5

STANDARD ADJUSTMENT	
SHOCK ABSORBER 125 SXS	**WP 5018 PDS 12187A10**
Compression adjuster	12 (low speed) 2 (high speed)
Rebound adjuster	25
Spring	80-250
Spring preload	5 mm

STANDARD ADJUSTMENT	
SHOCK ABSORBER 250 SXS	**WP 5018 PDS 12187A11**
Compression adjuster	12 (low speed) 2 (high speed)
Rebound adjuster	25
Spring	84-250
Spring preload	5 mm