

## Service data

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Unit: mm (in)

Item	Specification
<b>Lubrication</b>	
Specified engine oil	Repsol 4T oil-stroke motorcycle oil SAE 10W-30
Engine oil capacity after draining	0.41 liter (0.43 US qt. 0.36 Imp qt)
after oil filter change	0.44 liter (0.46 US qt. 0.39 Imp qt)
after disassembly	0.60 liter (0.63 US qt. 0.53 Imp qt)
Specified transmission oil	ELF HTX740
Transmission oil capacity after draining	0.54 liter (0.57 US qt. 0.48 Imp qt)
after disassembly	0.57 liter (0.60 US qt. 0.50 Imp qt)
<b>Fuel System</b>	
Throttle body identification No.	QOPFB (2ED) QOPFC (4ED)
Throttle grip free play	3 mm
Engine idle speed	1,800 ± 100 min-1 (rpm)
Fuel pressure	314 - 382 kPa (3.2 - 3.9 kgf/cm <sup>2</sup> )
Fuel pump flow at 12 V	125 cm <sup>3</sup> minimum/10 seconds
Injector resistance	11.1 - 12.3 Ω (20 °C/68 °F)
<b>Cooling System</b>	
Recommended coolant	50/50 mixture coolant and distilled water
Radiator cap relief pressure	108 kPa (1.1 kgf/cm <sup>2</sup> )

Item	Standard	Service limit
<b>Cylinder Head/Valves</b>		
Cylinder compression	1,300 kPa (13.2 kgf/cm <sup>2</sup> , 189 psi)	-
Cylinder head warpage	-	0.05 (0.002)
Valve stem O.D.	0.12 ± 0.03 (0.005 ± 0.001) 0.30 ± 0.03 (0.012 ± 0.001)	- -
	4.475 - 4.490 (0.1762 - 0.1768) 4.465 - 4.480 (0.1758 - 0.1764)	4.470 (0.1760) 4.460 (0.1756)
Valve guide I.D.	4.500 - 4.512 (0.1772 - 0.1776)	4.552 (0.1792)
Valve stem-to-guide clearance	0.010 - 0.037 (0.0004 - 0.0015) 0.020 - 0.047 (0.0008 - 0.0019)	- -
Valve guide projection above cylinder head	IN 8.0 - 8.3 (0.31 - 0.33) EX 8.2 - 8.5 (0.32 - 0.33)	- -
Valve spring free length	Inner 25.41 (1.000) Outer 28.32 (1.115)	24.9 (0.98) 27.6 (1.09)
Rocker arm I.D.	10.000 - 10.015 (0.3937 - 0.3943)	10.051 (0.3957)
Rocker arm shaft O.D.	9.972 - 9.987 (0.3926 - 0.3932)	9.925 (0.3907)
Rocker arm-to-shaft clearance	0.013 - 0.043 (0.0005 - 0.0017)	0.11 (0.04)
Cam lobe height	AD 32.011 - 33.051 (1.2603 - 1.3012) ES 32.855 - 32.935 (1.2935 - 1.2967)	31.871 (1.2548) 32.748 (1.2893)