

## 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<br>after draining<br>after oil filter change<br>after disassembly | 0.41 liter (0.43 US qt, 0.36 Imp qt)<br>0.44 liter (0.46 US qt, 0.39 Imp qt)<br>0.60 liter (0.63 US qt, 0.53 Imp qt) |
| Specified transmission oil  | ELF HTX740 (75W)   |
| Transmission oil capacity<br>after draining<br>after disassembly                      | 0.54 liter (0.57 US qt, 0.48 Imp qt)<br>0.57 liter (0.60 US qt, 0.50 Imp qt)   |
| <b>Fuel System</b>  |  |
| Throttle body identification No.  | GOPFA  |
| 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                          | 1300 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)<br>0.30 ± 0.03 (0.012 ± 0.001)             | -<br>-                             |
|   | 4.475 - 4.490 (0.1762 - 0.1768)<br>4.465 - 4.480 (0.1758 - 0.1764)     | 4.470 (0.1760)<br>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)<br>0.020 - 0.047 (0.0008 - 0.0019)     | -<br>-                             |
| Valve guide projection above<br>cylinder head | 8.0 - 8.3 (0.31 - 0.33)<br>8.2 - 8.5 (0.32 - 0.33)                     | -<br>-                             |
| Valve spring free length                      | 25.41 (1.000)<br>28.32 (1.115)   | 24.9 (0.98)<br>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                               | 32.011 - 33.051 (1.2603 - 1.3012)<br>32.855 - 32.935 (1.2935 - 1.2967) | 31.871 (1.2548)<br>32.748 (1.2893) |