

## CYLINDER HEAD/VALVES

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## SERVICE INFORMATION

### GENERAL

- This section covers maintenance of the cylinder head, valves, camshaft and rocker arms.
- Service covered in this section can be done with the engine installed in the frame.
- Pour clean engine oil into the oil pockets in the cylinder head to lubricate the cam.

unit: mm (in)

ITEM			STANDARD	SERVICE LIMIT
Compression	Decompressor effected		500 ± 100 kPa (5 ± 1 kg/cm <sup>2</sup> , 71.1 ± 14.2 psi)	—
	Decompressor does not effect		1400 ± 100 kPa (14 ± 1 kg/cm <sup>2</sup> , 200 ± 14.2 psi)	—
Camshaft	Cam lift	IN	31.155–31.315 (1.2266–1.2329)	31.05 (1.222)
		EX	31.091–31.251 (1.2241–1.2304)	31.00 (1.220)
	Runout		—	0.40 (0.016)
Rocker arm shaft	O.D.		11.466–11.484 (0.4514–0.4521)	11.41 (0.449)
Sub-rocker arm shaft	O.D.	IN	7.972–7.967 (0.3137–0.3139)	7.92 (0.312)
		EX	6.972–6.969 (0.2744–0.2745)	6.92 (0.272)
Rocker arm	I.D.		11.500–11.518 (0.4528–0.4535)	11.55 (0.455)
Sub-rocker arm	I.D.	IN (IN)	8.000–8.015 (0.3150–0.3155)	8.05 (0.317)
		EX (A, B)	7.000–7.015 (0.2756–0.2761)	7.05 (0.277)
Sub-rocker arm-to-shaft clearance			0.033–0.043 (0.0013–0.0017)	0.08 (0.003)
Rocker arm shaft-to-arm clearance			0.016–0.052 (0.0006–0.0020)	0.14 (0.006)
Valve spring	Free length	Inner	35.1 (1.240)	34.1 (1.34)
		Outer	36.0 (1.417)	35.0 (1.38)
	Preload/length	Inner	6.14 ± 0.4 kg (13.5 ± 0.88 lb)/ 28 (1.1)	—
		Outer	11.8 ± 1.0 kg (26.0 ± 2.21 lb)/ 31.5 (1.24)	—