

GENERAL INFORMATION

CYLINDER HEAD/VALVES SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD		SERVICE LIMIT
Cylinder compression		1,226 kPa (12.5 kgf/cm ² , 178psi) at 350 rpm		
Valve clearance		IN	0.20 ± 0.03 (0.008 ± 0.001)	-
		EX	0.28 ± 0.03 (0.011 ± 0.001)	-
Camshaft	Cam lobe height	IN	36.36 – 36.60 (1.431 – 1.441)	36.34 (1.431)
		EX	35.34 – 35.58 (1.391 – 1.401)	35.32 (1.391)
	Runout	-		0.05 (0.002)
	Oil clearance	0.020 – 0.062 (0.0008 – 0.0024)		0.10 (0.004)
Valve lifter	Valve lifter O.D.	25.978 – 25.993 (1.0228 – 1.0233)		25.97 (1.022)
	Valve lifter bore I.D.	26.010 – 26.026 (1.0240 – 1.0246)		26.04 (1.025)
Valve, valve guide	Valve stem O.D.	IN	3.975 – 3.990 (0.1565 – 0.1571)	3.965 (0.1561)
		EX	3.965 – 3.980 (0.1561 – 0.1567)	3.955 (0.1557)
	Valve guide I.D.	IN/EX	4.000 – 4.012 (0.1575 – 0.1580)	4.04 (0.159)
	Stem-to-guide clearance	IN	0.010 – 0.037 (0.0004 – 0.0015)	0.075 (0.0030)
		EX	0.020 – 0.047 (0.0008 – 0.0019)	0.085 (0.0033)
	Valve guide projection above cylinder head	IN	17.1 – 17.4 (0.67 – 0.69)	-
		EX	13.3 – 13.6 (0.52 – 0.54)	-
	Valve seat head	IN	0.90 – 1.10 (0.035 – 0.043)	1.5 (0.06)
EX		0.90 – 1.10 (0.035 – 0.043)	1.5 (0.06)	
Valve spring free length	IN	Inner	36.17 (1.424)	35.1 (1.38)
		Outer	39.76 (1.565)	38.8 (1.53)
	EX	Inner	35.34 (1.391)	34.4 (1.35)
		Outer	39.05 (1.537)	38.1 (1.50)
Cylinder head warpage		-		0.10 (0.004)

CLUTCH/STARTER CLUTCH/GEARSHIFT LINKAGE SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD		SERVICE LIMIT
Clutch lever free play		10 – 20 (3/8 – 13/16)		-
Clutch	Spring free length	46.5 (1.83)		45.2 (1.78)
	Disc thickness	2.92 – 3.08 (0.115 – 0.121)		2.6 (0.10)
	Plate warpage	-		0.30 (0.012)
Clutch outer guide A (Without ID mark)	I.D.	24.993 – 25.003 (0.9840 – 0.9844)		25.013 (0.9848)
	O.D.	35.004 – 35.012 (1.3781 – 1.3784)		34.994 (1.3777)
Clutch outer guide B (With ID mark)	I.D.	24.993 – 25.003 (0.9840 – 0.9844)		25.013 (0.9848)
	O.D.	34.996 – 35.004 (1.3778 – 1.3781)		34.986 (1.3774)
Primary driven gear I.D.	A	41.008 – 41.016 (1.6145 – 1.6148)		41.026 (1.6152)
	B	41.000 – 41.008 (1.6142 – 1.6145)		41.018 (1.6149)
Oil pump drive sprocket guide	I.D.	25.000 – 25.021 (0.9843 – 0.9851)		25.031 (0.9855)
	O.D.	34.950 – 34.975 (1.3760 – 1.3770)		34.940 (1.3756)
Oil pump drive sprocket I.D.		35.025 – 35.145 (1.3789 – 1.3837)		35.155 (1.3841)
Mainshaft O.D. at clutch outer guide		24.980 – 24.990 (0.9835 – 0.9839)		24.960 (0.9827)
Mainshaft O.D. at oil pump drive sprocket guide		24.980 – 24.990 (0.9835 – 0.9839)		24.960 (0.9827)
Starter driven gear boss O.D.		45.657 – 45.673 (1.7975 – 1.7981)		45.642 (1.7969)