

CYLINDER HEAD/VALVES SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT	
Cylinder compression		1,098 kPa (11.2 kgf/cm ² , 159 psi) at 350 rpm	-	
Valve clearance	IN	0.16 ± 0.03 (0.006 ± 0.001)	-	
	EX	0.30 ± 0.03 (0.012 ± 0.001)	-	
Camshaft	Cam lobe height	IN	37.02 - 37.10 (1.457 - 1.461)	
		EX	36.66 - 36.74 (1.443 - 1.446)	
	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)	
		EX	3.965 - 3.980 (0.1561 - 0.1567)	
	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	16.1 - 16.4 (0.63 - 0.65)	-
		EX	15.5 - 15.8 (0.61 - 0.62)	-
	Valve seat width	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	39.5 (1.56)	38.7 (1.52)	
	EX	39.5 (1.56)	38.7 (1.52)	
Cylinder head warpage		-	0.10 (0.004)	

CLUTCH/STARTER CLUTCH SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT
Specified clutch fluid		DOT 4 brake fluid	-
Clutch master cylinder	Master cylinder I.D.	12.700 - 12.743 (0.5000 - 0.5017)	12.755 (0.5022)
	Master piston O.D.	12.657 - 12.684 (0.4983 - 0.4994)	12.645 (0.4978)
Clutch	Spring free length	56.8 (2.24)	55.7 (2.19)
	Disc A thickness	3.72 - 3.88 (0.146 - 0.153)	3.4 (0.13)
	Disc B thickness	3.22 - 3.38 (0.127 - 0.133)	2.9 (0.11)
	Plate warpage	-	0.30 (0.012)
Clutch outer guide A (Without ID mark)	I.D.	27.993 - 28.003 (1.1021 - 1.1025)	28.012 (1.1028)
	O.D.	35.004 - 35.012 (1.3781 - 1.3784)	34.994 (1.3777)
Clutch outer guide B (With ID mark)	I.D.	27.993 - 28.003 (1.1021 - 1.1025)	28.012 (1.1028)
	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.	28.000 - 28.021 (1.1024 - 1.1032)	28.030 (1.1035)
	O.D.	34.975 - 34.991 (1.3770 - 1.3776)	34.965 (1.3766)
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		27.980 - 27.990 (1.1016 - 1.1020)	27.96 (1.101)
Mainshaft O.D. at oil pump drive sprocket guide		27.980 - 27.990 (1.1016 - 1.1020)	27.96 (1.101)
Starter idle gear	Gear I.D.	10.013 - 10.035 (0.3942 - 0.3951)	10.05 (0.396)
	Shaft O.D.	9.991 - 10.000 (0.3933 - 0.3937)	9.98 (0.393)
Starter driven gear boss O.D.		45.657 - 45.673 (1.7975 - 1.7981)	45.642 (1.7969)