



## GENERAL INFORMATION

### CYLINDER HEAD

Unit: mm

ITEM		STANDARD		SERVICE LIMIT
Cylinder compression		1,451 kPa at 450 rpm		–
Valve clearance		IN	0.08 ± 0.02	–
		EX	0.24 ± 0.02	–
Camshaft	Cam lobe height	IN	33.385 – 33.625	33.355
		EX	33.215 – 33.455	33.095
Rocker arm, rocker arm shaft	Rocker arm shaft O.D.	IN/EX	9.988 – 10.000	–
Valve, valve guide	Valve stem O.D.	IN	4.975 – 4.990	4.965
		EX	4.955 – 4.970	4.945
	Valve guide I.D.	IN/EX	5.000 – 5.012	–
	Valve guide projection above cylinder head	IN/EX	16.8 – 17.0	–
	Valve seat width	IN	1.2 – 1.4	1.8
EX		1.0 – 1.2	1.6	
Valve spring free length		INNER	35.59	34.88
		OUTER	39.46	38.67
Cylinder head warpage		–		0.05

### CYLINDER/PISTON

Unit: mm

ITEM		STANDARD		SERVICE LIMIT
Cylinder	I.D.	61.00 – 61.01		61.10
	Warpage	–		0.10
Piston	Piston O.D.	60.981 – 60.997 at 13 mm from bottom of skirt		60.900
	Piston pin bore I.D.	14.002 – 14.008		14.020
	Piston pin O.D.	13.994 – 14.000		13.980
Piston rings	Piston ring end gap	Top	0.07 – 0.17	0.27
		Second	0.17 – 0.32	0.42
		Oil (side rail)	0.10 – 0.35	0.55
	Piston ring-to-ring groove clearance	Top	0.015 – 0.045	–
		Second	0.015 – 0.045	–

### CLUTCH/GEARSHIFT LINKAGE

Unit: mm

ITEM		STANDARD		SERVICE LIMIT
Clutch lever freeplay		10 – 20		–
Clutch	Disc thickness	2.92 – 3.08		2.70
	Plate warpage	–		0.15
	Spring free length	40.5		39.7
Primary driven gear I.D.		23.000 – 23.021		–
Clutch outer guide	O.D.	22.959 – 22.980		–
	I.D.	16.991 – 17.009		–
Mainshaft O.D. at clutch outer guide		16.966 – 16.984		–

### ALTERNATOR/STARTER CLUTCH

Unit: mm

ITEM		STANDARD		SERVICE LIMIT
Starter driven gear boss O.D.		45.660 – 45.673		–