

7. CYLINDER HEAD, CYLINDER PISTON, R.C. VALVE

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MAINTENANCE INFORMATION

Warnings:

- It is not necessary to remove engine when maintaining frame. Perform all maintenance with the vehicle in an upright position
- Before maintenance, clean engine so that foreign materials cannot enter
- When removing cylinder and cylinder head do not use screwdrivers or other object which will damage the index mark
- Do not damage cylinder wall or piston facing
- Before inspecting parts which have been removed wash them and when reinstalling apply engine oil to moving parts
- Always replace cylinder head gasket with a new one once removed. If reused leakage and poor performance will result
- Cylinder and piston selection is related. When replacing cylinder or piston always install the part with the corresponding mark

Item	Standard	Service Limit	
Cylinder I.D	Mark : A	54.010-54.015	54.085
	Mark : B	54.005-54.010	54.080
	Mark : C	54.000-54.005	54.075
		-----	0.05
		-----	0.05
Piston O.D (15mm from skirt)	Mark : B	53.971-53.975	53.940
	Mark : C	53.966-53.970	53.935
	Mark : D	53.961-53.965	53.930
Cylinder-to-piston clearance	0.035-0.044	0.08	
Piston pin hole I.D	15.002-15.008	15.03	
Piston pin O.D	14.994-15.000	14.98	
Piston-to-pin clearance	0.002-0.014	0.04	
Piston ring clearance	Top	0.23-0.38	0.43
	Second	0.23-0.38	0.43
Cylinder head warpage	-----	0.10	
Upper cylinder warpage	-----	0.02	
Ring groove to ring clearance	Second	0.065-0.095	0.12
Cylinder compression		12 ± 2 kg/cm ²	-----

TORQUES:

Cylinder head nut	1.2-1.6kg-m
Cylinder nut	2.3-2.7kg-m
RC Valve shaft	0.8-1.0kg-m
Cylinder head bypass tube joint	0.25-0.45kg-m