Poor performance of the engine at low speed or idle speed

Inspection		Possible causes
1.Check the valve timing and valve clearance.	Incorrect	(1) Improper adjustment of valve clearance or the adjustment bolt of the rocker arm is of poor quality. (2) Improper adjustment of the valve timing.
⇩ Normal ⇩		
2. Check the fine-adjustment bolt of the plunger piston of the carburetor.	Incorrect	Improper adjustment.
⇩ Correct ⇩		
3.Check whether there is air leakage in the sealing gasket of the carburetor.	Air leakage	(1) The seal ring of the carburetor goes deteriorated. (2) The carburetor is loosened. (3) The sealing gasket of the carburetor is damaged.
⇩ No air leakage ⇩		
4.Take off the spark plug and conduct spark test.	The spark is weak or the spark is discontinued	(1)The spark plug fails or there is carbon deposit. (2)The electric ignitor fails. (3) The magnetor fails. (4) The spark plug cap fails. (5)The electric circuit fails.
⇩ The spark plug is fine		