

VALVES

Valve clearance should be maintained at 0.08 mm (0.003 in). Excessive clearance will cause noise and eventual loss of power. Insufficient clearance will cause loss of power and could cause valve damage.

NOTE:

* Check and adjust valve clearance while the engine is cold. The clearance will change as the temperature rises.

1. Remove the timing mark cover and valve adjusting caps.
2. Using the recoil starter, rotate the generator rotor counterclockwise until the T mark (2) on the generator rotor lines up with the timing index mark (1) on the left crankcase. In this position, the piston may either be on the compression or the exhaust stroke. The adjustment must be made when the piston is on top of the compression stroke when both the intake and exhaust valves are closed. This can be determined by moving the rocker arms by hand. If they are free, it is an indication that the valves are closed and that the piston is on the compression stroke. If they are tight and the valves are open, rotate the generator

rotor 360° (one complete revolution) and realign the T mark to the timing index mark.

3. Check the clearance of both valves by inserting a 0.08 mm (0.003 in.) gauge between the adjusting screw and valve stem.



(1) Index mark

(2) T mark