

NOTE:

1. The adjustment must be made with a cold engine. Clearance is measured with a 0.05 mm (0.002 in) thickness gauge.
2. When locking the adjusting screw, hold the screw while locking the nut to prevent its turning. (Fig. 5.4)
3. Inspection
 - a. Check to make sure that the tappet clearance is within standard tolerance. Too small a clearance will cause the valve to stay open, causing pressure leakage and resulting in hard starting or no starting at all.
 - b. Check for improper valve timing.
 - c. Check for stretch in the cam chain.
 - d. Check for any slippage of the timing sprocket.

3 Breaker point servicing and gap adjustment

- a. Remove the dynamo cover and breaker point cover.

Inspect the surfaces of the breaker points; if they are burnt or pitted, dress the surface with an oilstone or a point dressing file so that the points are making parallel contact.

After the points have been dressed, wash in gasoline or trichloroethylene to remove all trace of oil.

- b. Turn the generator rotor counter-clockwise to the point where the breaker points are at maximum opening. The normal gap ① is 0.3 to 0.4mm (0.012~0.016 in). If adjustment is necessary, loosen the two breaker arm adjusting screws ② and move the stationary breaker point by inserting a screwdriver into the adjusting slot to obtain the proper gap and then retighten the screws. (Fig. 5.5)

Insufficient breaker point gap:

- (a) The spark tend to linger, that is the interruption of the primary circuit is not completed at the points, therefore, the secondary high voltage build-up is reduced.
- (b) The closed duration of the points is longer, producing heat and resulting in damage.
- (c) In conjunction with (b) above, the points will be late in opening causing a delay in the ignition timing; this will cause a drop in power output.

Excessive breaker point gap:

- (a) The duration that the points are closed is too short to allow for sufficient current flow in the primary circuit with a consequent low voltage

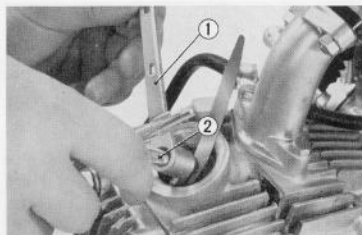


Fig. 5.4 Locking the adjusting nut

- ① 9 mm wrench
- ② 3 mm wrench

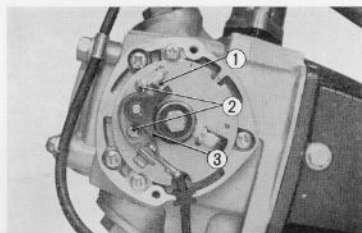


Fig. 5.5 Adjusting the point clearance

- ① Contact breaker points
- ② Breaker arm adjusting screw
- ③ Breaker arm