

## 5. PERIODIC ADJUSTMENT

### 5.1 MAINTENANCE INSPECTION

Effort should be made to educate the users to have their motorcycles inspected at the regular inspection schedules and designated mileages. They should be made aware that by receiving proper maintenance, trouble free operation is assured, further, the warranty is effective only when regular maintenance has been performed.

#### A. Engine Adjustment

##### 1. Measuring cylinder compression

A low compression pressure will result in a corresponding drop in the engine power output. Further, pressure leak from any cause can effect the engine speed adjustment at low speed and result in engine stall.

- Remove the spark plug.
- Insert the end of the compression gauge into the spark plug hole and hold firmly to prevent pressure from leaking. (Fig. 5.1)
- Operate the kick starter, repeatedly several times with both the choke and throttle in the full open positions.

#### NOTE:

- Make sure that the throttle and choke are fully opened, or else, a lower pressure indication will be registered on the compression gauge.
  - The cylinder compression pressure indication will gradually increase with each kick, therefore, continue kicking until the pressure stabilizes at the highest point and then take the reading.
  - To obtain a true cylinder pressure indication, the measurement should be made after the engine attains operating temperature.
  - Check for the proper operation of the valves.
  - Make sure that the compression gauge is firmly fitted in the spark plug hole.
- d. The standard specified cylinder compression pressure is  $12 \text{ kg/cm}^2$  ( $171 \text{ lb/in}^2$ ).

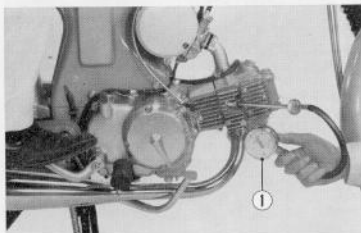


Fig. 5.1 Measuring compression pressure  
① Compression gauge