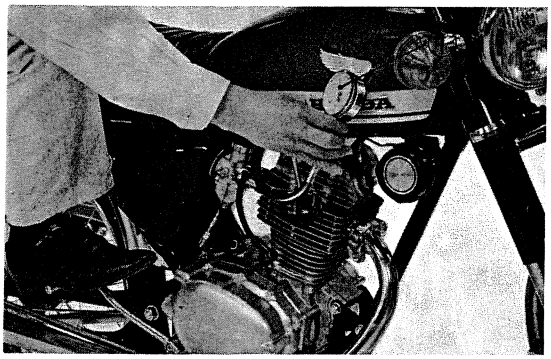

Fig. 27 ① Compression gauge

15. CYLINDER COMPRESSION CHECK

Low compression and pressure leak will cause unstable engine rpm and loss of power. Compression is checked with a cylinder compression gauge by the following procedure. (Fig. 27)

1) Remove the spark plug.
2) Insert the rubber tip of compression gauge into the spark plug hole and operate the kick starter while holding the throttle grip fully open.

Note:

Perform the check after warming up the engine.

3) The normal compression pressure is **12 kg/cm² (170 psi).**
   ① Low compression is due to one of the following causes:
   - Leaking valve.
   - Defective or sticking piston rings.
   - Blown cylinder head gasket.
   - Improper tappet adjustment.

   ② Unusually high compression pressure is due to excessive carbon deposits on the combustion chamber or on the piston head.

   Engine must be disassembled for complete inspection or repair in these cases.