



POWER UNIT MEASURING THE COMPRESSION PRESSURE

NOTE:

The engine should be warmed up before measuring the compression pressure. Correct measurement cannot be obtained when the engine is cold.

Measure:

- Compression pressure
Below minimum compression pressure → Check or replace piston, piston rings, cylinder head, and cylinder head gasket.



Compression pressure (reference value)

25B: 730 kPa
(7.3 kgf/cm², 105.9 psi)

30H: 740 kPa
(7.4 kgf/cm², 107.3 psi)

Minimum compression pressure

25B: 580 kPa
(5.8 kgf/cm², 84.1 psi)

30H: 590 kPa
(5.9 kgf/cm², 85.6 psi)

Measuring steps

- (1) Remove the spark plug ①.

CAUTION:

Before removing the spark plug, clean the spark plug well area to prevent any dirt from falling into the cylinder that is being checked.

- (2) Install the compression gauge ② into the spark plug hole.



Compression gauge.....②
90890-03160

- (3) Fully open the throttle.
- (4) Fully open the choke. (Make the choke valve ineffective.)
- (5) Crank the engine by means of recoil starter until the compression gauge gives stable reading.
- (6) Remove the compression gauge ②.
- (7) Install the spark plug ①.



Spark plug
25 N·m (2.5 kgf·m, 18 ft·lb)