

CYLINDER COMPRESSION

Warm up the engine. After the engine is warm, stop the engine and remove the spark plug.
Insert a compression gauge.

Pull out the choke knob all the way and fully open the throttle.
Push the starter button until the compression gauge reading stops rising.

NOTE

Watch for compression leaking at the gauge connection.

COMPRESSION: $11.0 \pm 1.0 \text{ kg/cm}^2$ ($159 \pm 14 \text{ psi}$)

Low compression can be caused by:

- Improper valve adjustment
- Valve leakage
- Cylinder head gasket leaking
- Worn piston ring or cylinder

High compression can be caused by:

- Carbon deposits in combustion chamber or on piston crown.
The maximum reading is usually reached within 4–7 seconds.



COMPRESSION GAUGE

DRIVE CHAIN

Stop the engine and shift the transmission into neutral.
Remove the drive chain inspection hole cap.

Check the amount of chain free play through the inspection hole.

CHAIN FREE PLAY: 10–20 mm (3/8–3/4 in)



INSPECTION HOLE CAP

