

CYLINDER HEAD/VALVES

CYLINDER COMPRESSION

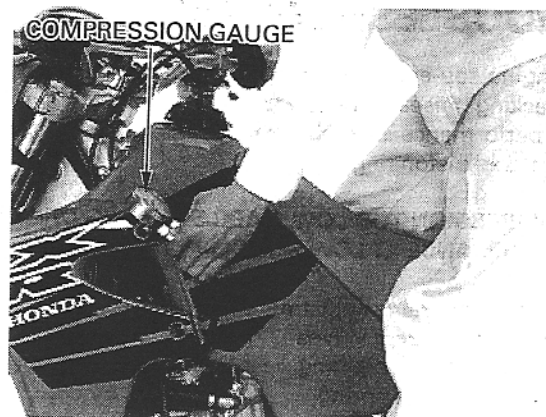
Remove the spark plug.
Connect the compression gauge.

TOOL:

Compression gauge attachment 07RMJ-MY50100

NOTE:

Check that there are no leaks at the gauge connection.



Open the choke lever and throttle grip all the way.
Operate the kickstarter 5–6 times and check the gauge reading.

CYLINDER COMPRESSION

(decompressor applied):

600 kPa (6.12 kgf/cm², 87 psi) at 400 min⁻¹ (rpm)

If compression is not within specification, recheck the following:

Loosen the exhaust valve lock nut and adjust the exhaust valve to a valve clearance of approximately 1 mm (0.04 in).

Warm up the engine.

Stop the engine and recheck the compression.

CYLINDER COMPRESSION

(decompressor not applied):

1,100 kPa (11.22 kgf/cm², 160 psi) at 400 min⁻¹ (rpm)

If the compression reading is not standard, the decompressor system did not work properly.

Low compression can be caused by:

- Improper valve adjustment
- Valve leakage
- Leakage cylinder head gasket
- Worn piston ring or cylinder
- Improper decompressor adjustment

High compression can be caused by:

- Carbon deposits in combustion chamber, or on the piston crown.

CYLINDER HEAD COVER REMOVAL

Drain the coolant (page 6-5).

Remove the fuel tank (page 2-5).

Remove the decompressor cable guide and disconnect the decompressor cable from the valve lifter lever.

Remove the spark plug cap.

Disconnect the oil tank breather tube from the cylinder head cover.

