

Component Procedures: Compression Check

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Component Procedures: Compression Check

Parts and Labor (itype_189)

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Diagnose/Test	Compression, Test	B	0.8	0.0

Pressure, Vacuum and Temperature (itype_29)

Cylinder

Compression Pressure

Ratio 9.1:1

Pressure Range 827 to 1034kPa (120 to 150 psi)

Max. variation Between Cylinders 206kPa (30 psi)

Component Tests and General Diagnostics (itype_383)

CYLINDER

COMPRESSION PRESSURE

TEST

The results of a cylinder compression pressure test

can

be utilized to diagnose several engine malfunctions.

Ensure the battery is completely charged and the engine starter motor is in good operating condition.

Otherwise the indicated compression pressures may not be valid for diagnosis purposes.

1. Clean the

spark plug

recesses with compressed air.

2. Remove the

spark plugs

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3. Secure the throttle in the wide-open position.

4. Disable the

fuel system

5. Disconnect the

ignition coil

6. Insert a compression pressure gauge and rotate the engine with the engine starter motor for three revolutions.

7. Record the compression pressure on the 3rd revolution. Continue the test for the remaining cylinders.