

## Engine Compression – Check (Engine hot) (21 111 0)

### Proprietary Tools

Spark plug socket
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### Materials

Never-Seez
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ESE-M1244-A
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### Workshop Equipment

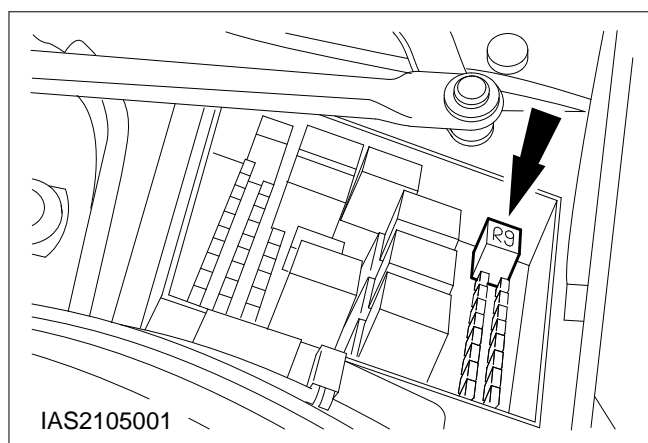
Compression pressure recorder	Motometer part no. 623.000.1101
Connector for compression pressure recorder	Motometer part no. 622.004.1002
Connector for compression pressure recorder	Motometer part no. 622.004.1005

### Check engine compressions

**NOTE:** Because of the different build styles of the compression pressure testing equipment and varying starter motor speeds, it is often only possible to check that the compression pressure is the same in each cylinder. A measurement of the actual compression pressure depends on several factors, and requires certain preconditions:

- The engine should be at normal operating temperature.
- The hydraulic tappets must operate correctly. If necessary crank the engine for a few seconds to supply the hydraulic tappets with oil.
- The battery must be adequately charged.

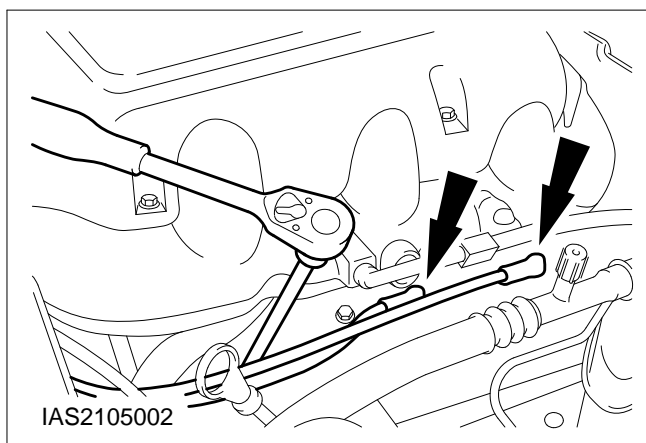
1. Remove the covers from the fuse box and the relay box.
2. Remove the fuel pump relay (R9).



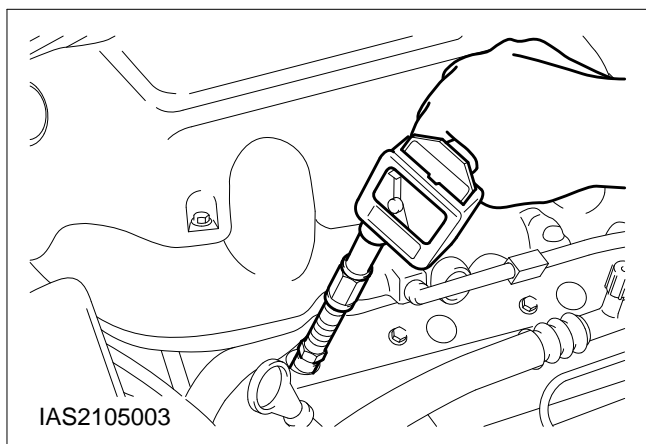
**NOTE:** This prevents damage to the catalytic converter.

**3. Start up the engine.**

The engine will start, run for a few seconds and then stall.



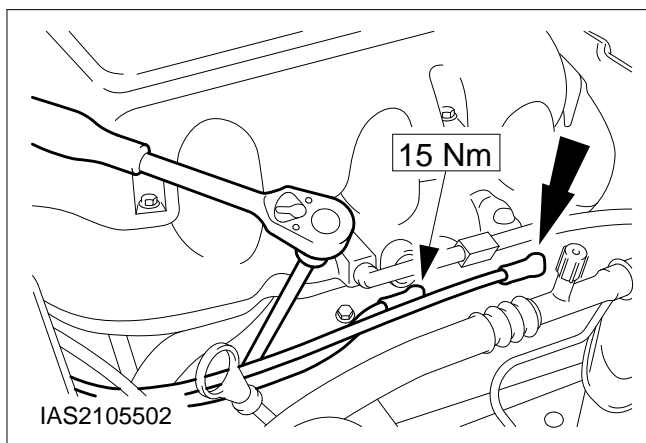
**4. Pull off the spark plug connectors and remove the spark plugs.**



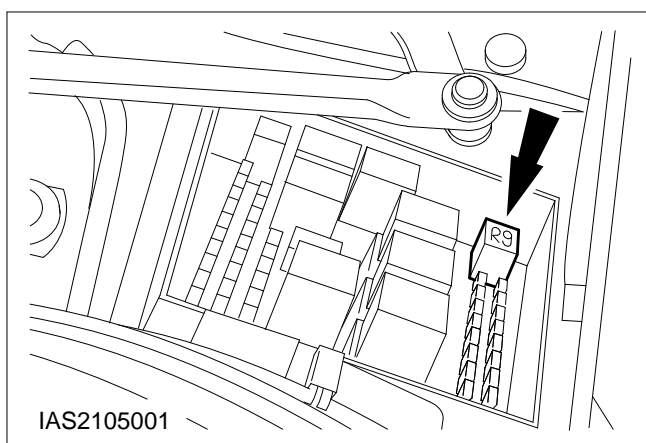
**5. Measure the compression pressure.**

- Place a sheet of graph paper into the pressure tester.
- Press the tester into the spark plug bore on cylinder no. 1.
- Crank the engine with the accelerator pedal fully depressed until the pointer on the tester stops rising.
- Bleed the tester and set the sheet of graph paper to the next cylinder.

**6. Repeat the procedure on all other cylinders.**



7. Fit the spark plugs and push on the spark plug connectors.



8. Fit the fuel pump relay (R9).

9. Fit the covers for the fuse box and the relay box.