

Warning

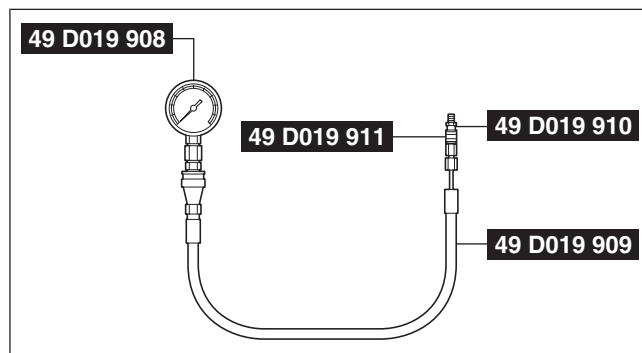
- Hot engines and engine oil can cause severe burns. Turn off the engine and wait until it and the engine oil have cooled.
- A vehicle that is lifted but not securely supported on safety stands is dangerous. It can slip or fall, causing death or serious injury. Never work around or under a lifted vehicle if it is not securely supported on safety stands.
- Continuous exposure to USED engine oil has caused skin cancer in laboratory mice. Protect your skin by washing with soap and water immediately after working with engine oil.

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0 (WITHOUT i-stop)].)
2. Remove the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
3. Remove the oil pressure switch. (See ENGINE OIL SOLENOID VALVE REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)

Note

- Use the following SSTs in this inspection.
 - 49 D019 908 (gauge)
 - 49 D019 909 (hose)
 - 49 D019 910 (adapter)
 - 49 D019 911 (adapter)

4. Install the **SSTs** to the oil pressure switch installation hole using the following procedure.
 - (1) Assemble **SSTs 49 D019 908, 49 D019 909, and 49 D019 911** outside of the engine compartment beforehand.
 - (2) Install **SST 49 D019 910** to the oil pressure switch installation hole.
 - (3) Install **SST 49 D019 911** to the **SST 49 D019 910**.
5. Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0 (WITHOUT i-stop)].)
6. Warm up the engine to normal operating temperature.
7. Run the engine at the specified speed, and note the gauge readings.
 - If not within the specification, inspect for the cause and repair or replace if necessary.



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Note

- The oil pressure can vary with oil viscosity, temperature and engine speed.

Oil pressure (reference value) [coolant temperature: 80—90 °C {176—194 °F}]**Lo : 110—175 kPa {1.13—1.78 kgf/cm², 16.0—25.3 psi} [1,500 rpm]****Hi : 300—430 kPa {3.06—4.38 kgf/cm², 43.6—62.3 psi} [4,500 rpm]**

8. Stop the engine and wait until it is cools.
9. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0 (WITHOUT i-stop)].)
10. Remove the **SSTs**.
11. Install the oil pressure switch. (See ENGINE OIL SOLENOID VALVE REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)
12. Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0 (WITHOUT i-stop)].)
13. Start the engine and confirm that there is no oil leakage.
 - If there is oil leakage, repair or replace the applicable part.
14. Install the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)