

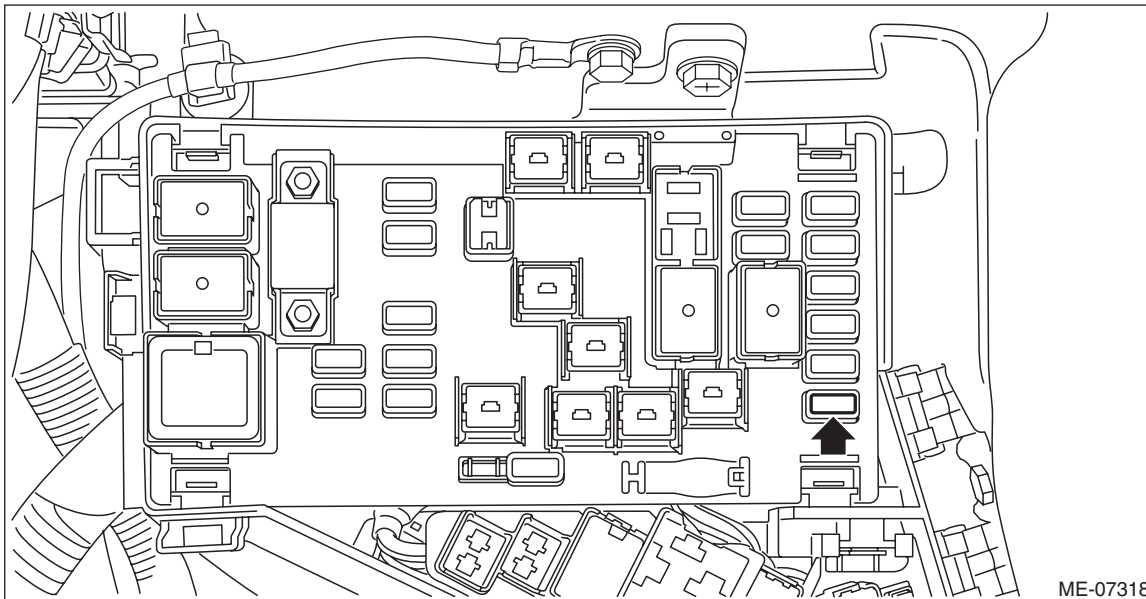
2. Compression

A: INSPECTION

CAUTION:

After warming-up, engine becomes very hot. Be careful not to burn yourself during measurement.

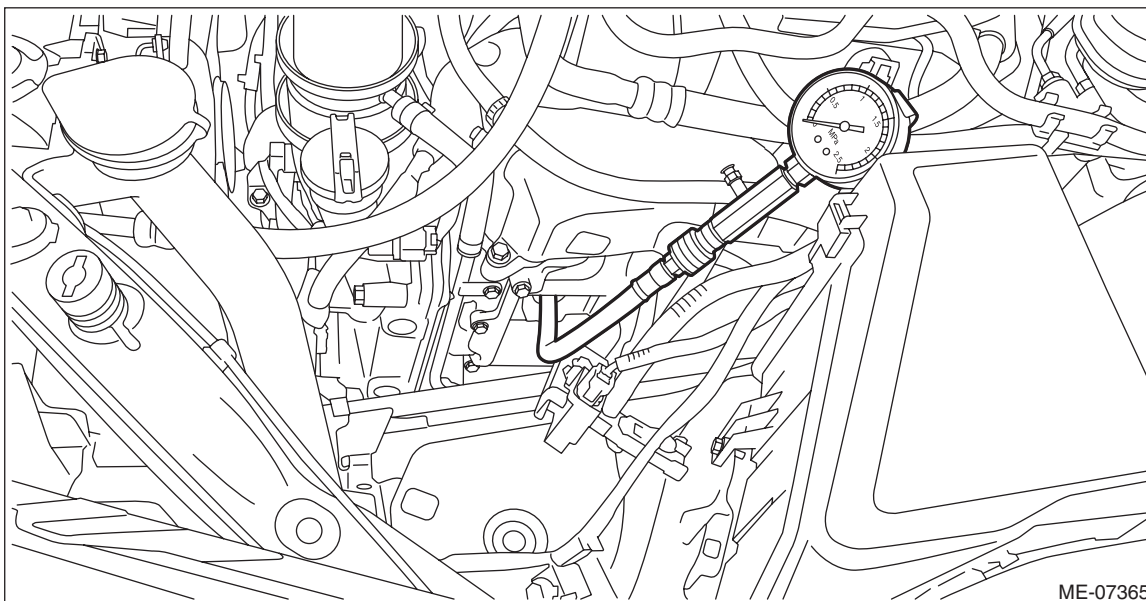
- 1) After warming-up the engine, turn the ignition switch to OFF.
- 2) Make sure that the battery is fully charged.
- 3) Check the starter motor for satisfactory performance and operation.
- 4) Remove the fuse of fuel pump from main fuse box.



- 5) Start the engine and run it until it stalls.
- 6) After the engine stalls, crank it for five more seconds.
- 7) Turn the ignition switch to OFF.
- 8) Remove all spark plugs.<Ref. to IG(H4DOTC)-4, REMOVAL, Spark Plug.>
- 9) Install the compression gauge to the spark plug hole.

NOTE:

When using a screw-in type compression gauge, the screw should be less than 25 mm (0.98 in) long.



- 10) Install the engine control module (ECM).<Ref. to FU(H4DOTC)-137, INSTALLATION, Engine Control Module (ECM).>
- 11) Install the battery.<Ref. to SC(H4DO)-63, INSTALLATION, Battery.>
- 12) Turn the ignition switch to ON.
- 13) Fully open the throttle valve.
- 14) Crank the engine by starter motor and read the value when the needle of the compression gauge becomes stable.

NOTE:

- Perform at least two measurements per cylinder, and make sure that the values are correct.
- If the compression pressure is out of standard, check or adjust the pistons, valves and cylinders.

Compression (fully open throttle):

Standard

1,350 — 1,750 kPa (14 — 18 kg/cm², 196 — 254 psi)

Difference between cylinders

100 kPa (1 kg/cm², 14 psi), or less

- 15) After inspection, install the related parts in the reverse order of removal.

NOTE:

When compression pressure is checked, the malfunction indicator light illuminates and DTC (P0087) may be stored in ECM. When the malfunction indicator light has illuminated, perform the Clear Memory Mode.<Ref. to EN(H4DOTC)(diag)-61, Clear Memory Mode.>