

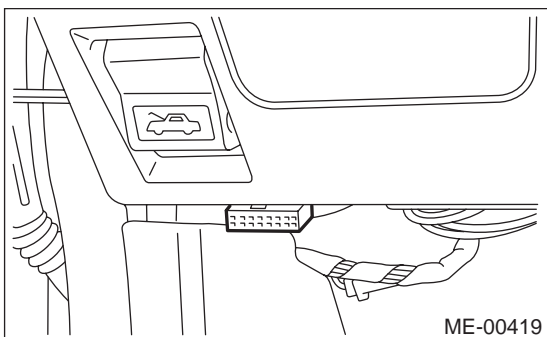
IDLE SPEED

MECHANICAL

3. Idle Speed

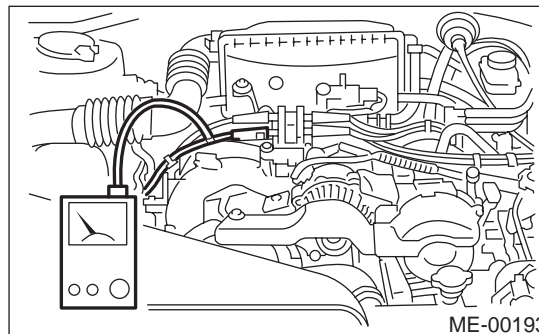
A: INSPECTION

- 1) Before checking idle speed, check the following:
 - (1) Ensure that air cleaner element is free from clogging, ignition timing is correct, spark plugs are in good condition, and that hoses are connected properly.
 - (2) Ensure that malfunction indicator light (CHECK ENGINE light) does not illuminate.
- 2) Warm-up the engine.
- 3) Stop the engine, and turn ignition switch to OFF.
- 4) When using SUBARU SELECT MONITOR <Ref. to ME(H4SO)-15, SPECIAL TOOLS, PREPARATION TOOL, General Description.>
 - (1) Insert the cartridge to SUBARU SELECT MONITOR.
 - (2) Connect SUBARU SELECT MONITOR to the data link connector.



- (3) Turn ignition switch to ON, and SUBARU SELECT MONITOR switch to ON.
 - (4) Select {2. Each System Check} in Main Menu.
 - (5) Select {Engine Control System} in Selection Menu.
 - (6) Select {1. Current Data Display & Save} in Engine Control System Diagnosis.
 - (7) Select {1.12 Data Display} in Data Display Menu.
 - (8) Start the engine, and read engine idle speed.
- 5) When using tachometer (Secondary pick-up type).
 - (1) Attach the pick-up clip to No. 1 cylinder spark plug cord.

- (2) Start the engine, and read engine idle speed.



NOTE:

- When using the OBD-II general scan tool, carefully read its operation manual.
- This ignition system provides simultaneous ignition for #1 and #2 plugs. It must be noted that some tachometers may register twice that of actual engine speed.

- 6) Check idle speed when unloaded. (With headlights, heater fan, rear defroster, radiator fan, air conditioning, etc. OFF)

Idle speed (No load and gears in neutral (MT), or N or P (AT) position):

MT vehicle: 650±100 rpm

AT vehicle: 700±100 rpm

- 7) Check idle speed when loaded. (Turn air conditioning switch to "ON" and operate compressor for at least one minute before measurement.)

Idle speed [A/C "ON", no load and gears in neutral (MT) or N or P (AT) position]:

850±100 rpm

NOTE:

The idle speed is adjusted automatically and manual adjusting cannot be performed. If idle speed is out of specifications, refer to General On-board Diagnosis Table under "Engine Control System". <Ref. to EN(H4SO)-2, Basic Diagnostic Procedure.>