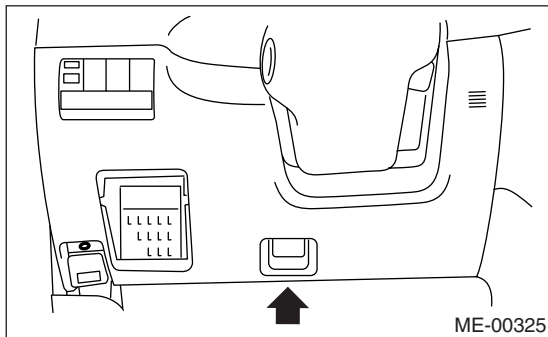


3. Idle Speed

A: INSPECTION

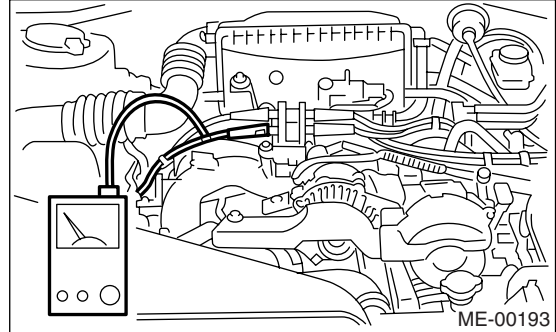
- 1) Before checking idle speed, check the following:
 - (1) Ensure the air cleaner element is free from clogging, ignition timing is correct, spark plugs are in good condition, and the hoses are connected properly.
 - (2) Ensure the malfunction indicator light does not illuminate.
- 2) Warm-up the engine.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



- (3) Turn the ignition switch to ON, and SUBARU Select Monitor switch to ON.
- (4) Select the {2. Each System Check} in Main Menu.
- (5) Select the {Engine Control System} in Selection Menu.
- (6) Select the {1. Current Data Display & Save} in Engine Control System Diagnosis.
- (7) Select the {1.12 Data Display} in Data Display Menu.
- (8) Start the engine, and then read the engine idle speed.

- 5) When using the tachometer (Secondary pick-up type).

- (1) Attach the pick-up clip to No. 1 cylinder spark plug cord.
- (2) Start the engine, and then read the 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 the 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 model), or N or P (AT model) position]:

- 650±100 rpm (MT model)**
- 700±100 rpm (AT model)**

- 7) Check the idle speed when loaded. (Turn the air conditioning switch to “ON” and operate the compressor for at least 1 minute before measurement.)

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

- 850±100 rpm**

NOTE:

Idle speed can not be adjusted manually, because the idle speed is automatically adjusted.
 If the specified idle speed can not be maintained, refer to General On-board Diagnosis Table under “Engine Control System”. <Ref. to EN(H4SO)-2, Basic Diagnostic Procedure.>