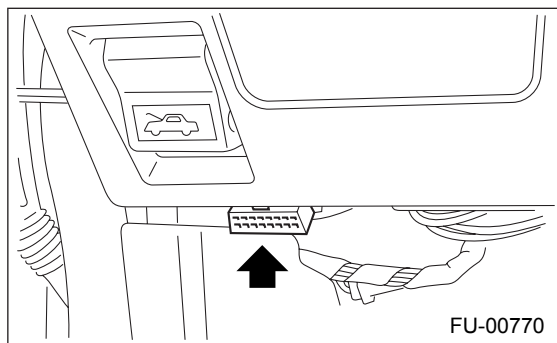


## 3. Idle Speed

### A: INSPECTION

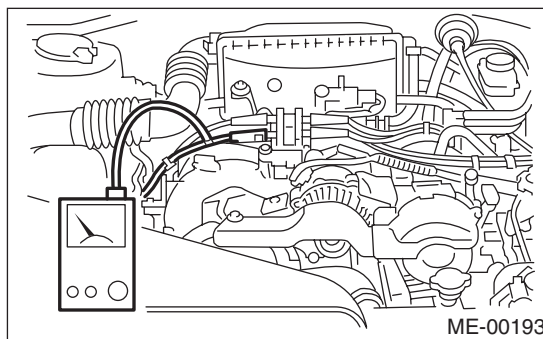
- 1) Before checking idle speed, check the following:
  - (1) Ensure the air cleaner element is free from clogging, ignition timing is correct, spark plugs are in good condition, and the hoses are connected properly.
  - (2) Ensure the CHECK ENGINE malfunction indicator light does not illuminate.
- 2) 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 {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 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 an 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 vehicles), or N or P (AT vehicles) position)]:**

**650±100 rpm (MT vehicles)**

**700±100 rpm (AT vehicles)**

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 vehicles) or N or P (AT vehicles) position]:**

**850±100 rpm**

#### NOTE:

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