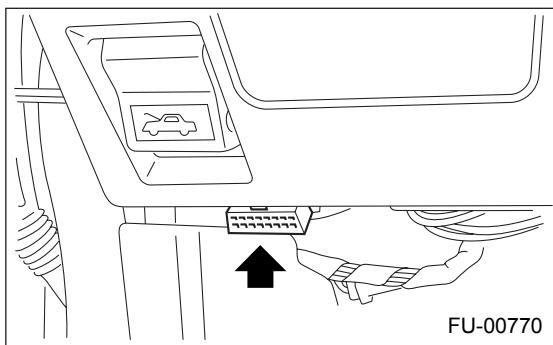


3. Idle Speed

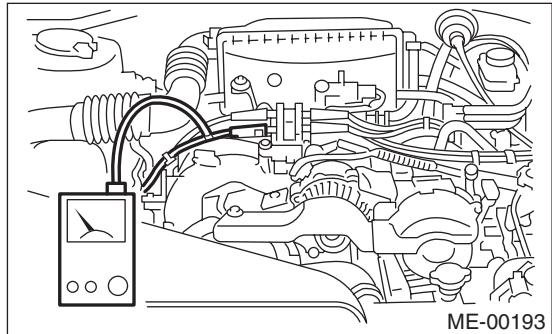
A: INSPECTION

- 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 Table under "Engine Control System". <Ref. to EN(H4SO)-2, Basic Diagnostic Procedure.>