

3. Idle Speed S103082

A: INSPECTION S103082A10

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.

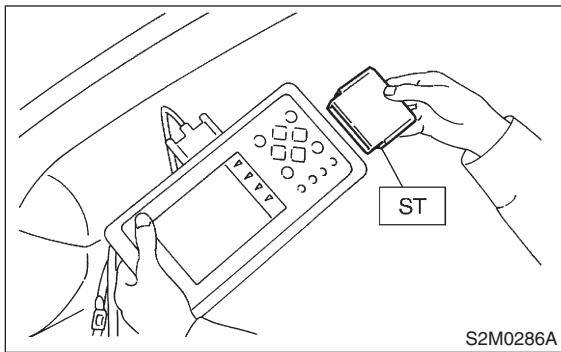
3) Stop the engine, and turn ignition switch to OFF.

4) When using SUBARU SELECT MONITOR;

NOTE:

For detailed operation procedures, refer to the SUBARU SELECT MONITOR OPERATION MANUAL.

- (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.

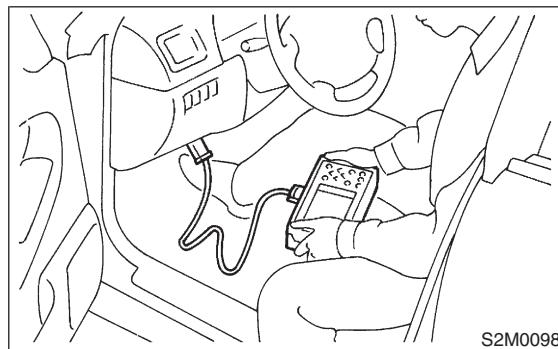
- (4) Select {2. Each System Check} in Main Menu.

- (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).

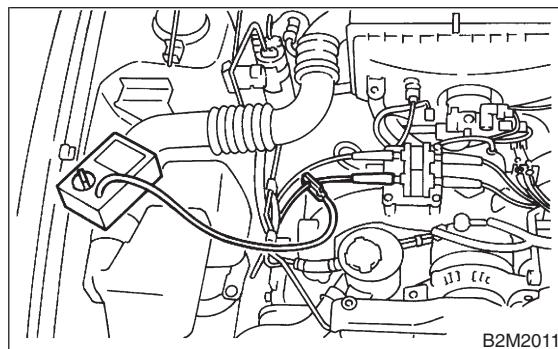
- (1) Attach the pick-up clip to No. 1 cylinder spark plug cord.

- (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):

650±100 rpm (MT model)

700±100 rpm (AT model)

- 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±50 rpm

CAUTION:

Never rotate idle adjusting screw. If idle speed is out of specifications, refer to General On-board Diagnosis Table under "EN" section.
<Ref. to EN-2 PROCEDURE, Basic Diagnostic Procedure.>