

3. Engine Idle Speed

A: MEASUREMENT

- 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) Connect Subaru Select Monitor or the OBD-II general scan tool to data link connector.

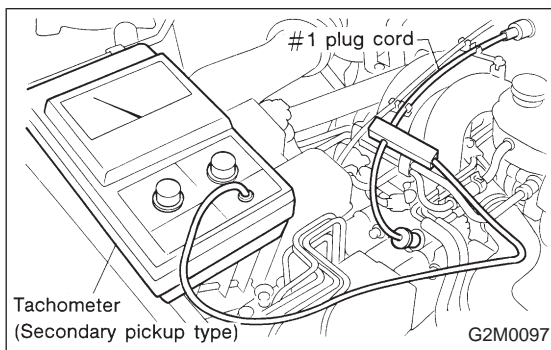
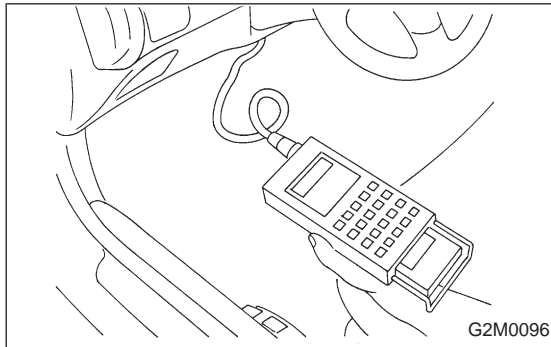
CAUTION:

When connecting Subaru Select Monitor, turn ignition switch to OFF.

- 4) Start the engine and measure engine speed.

NOTE:

Engine speed is indicated on Subaru Select Monitor by selecting "MODE F04".



NOTE:

- When using the OBD-II general scan tool, carefully read its operation manual.
- When Subaru Select Monitor is not used, attach the pickup sensor on tachometer (Secondary pickup type) to #1 cylinder spark plug cord.
- 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.

- 5) 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):

700 ± 100 rpm

- 6) 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 "2-7 On-Board Diagnostics II System".