

### 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 lamp (CHECK ENGINE light) does not illuminate.

2) Warm-up the engine.

3) Connect Subaru Select Monitor or the OBD-II general scan tool (2200 cc) to data link connector.

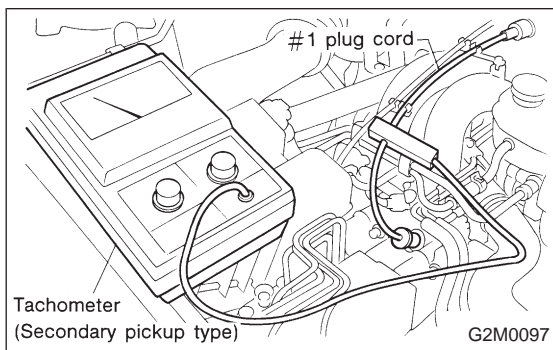
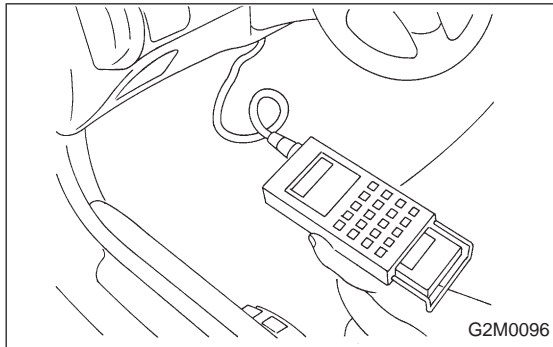
#### CAUTION:

**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. (2200 cc)
- When Subaru Select Monitor is not used, attach the pickup sensor on tachometer (Secondary pickup type) to #1 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]:**

**$700 \pm 100$  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 switch "ON", no load and gears in neutral (MT) or N or P (AT) position]:**

**$800 \pm 50$  rpm (1800 cc)**

**$850 \pm 50$  rpm (2200 cc)**

#### CAUTION:

**Never rotate idle adjusting screw, if idle speed is outside specifications, refer to General On-board Diagnosis Table under "2-7 Fuel Injection System (1800 cc) or On-Board Diagnostics II System (2200 cc)".**