

3. Idle Speed

A: INSPECTION

1) Before checking the 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 that hoses are connected properly.

(2) Ensure the malfunction indicator light (CHECK ENGINE light) does not illuminate.

2) Warm-up the engine.

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

4) Insert the cartridge to the SUBARU SELECT MONITOR.

5) Connect the SUBARU SELECT MONITOR to the data link connector.

6) Turn the ignition switch to ON, and SUBARU SELECT MONITOR switch to ON.

7) Select {2. Each System Check} in Main Menu.

8) Select {Engine Control System} in Selection Menu.

9) Select {1. Current Data Display & Save} in Engine Control System Diagnosis.

10) Select {1.12 Data Display} in Data Display Menu.

11) Start the engine, and read engine idle speed.

12) 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:

750±100 rpm

13) Check the idle speed when loaded. (Turn the air conditioning switch to "ON" and operate the compressor for at least one minute before measurement.)

Idle speed [A/C "ON", no load and gears in neutral]:

800±150 rpm (MT model)

825±150 rpm (AT model)

CAUTION:

Never rotate the idle adjusting screw. If the idle speed is out of specifications, refer to General On-board Diagnosis Table under "Engine Control System". <Ref. to EN(H4DOTC)-2, Basic Diagnostic Procedure.>