

3. Idle Speed

A: INSPECTION

- 1) Before checking the idle speed, check the following item:
 - (1) Check the air cleaner element is free from clogging, ignition timing is correct, spark plugs are in good condition, and hoses are connected properly.
 - (2) Check the malfunction indicator light does not illuminate.
- 2) Warm up the engine.
- 3) Read the engine idle speed using Subaru Select Monitor. <Ref. to EN(H4DOTC)(diag)-36, READ CURRENT DATA FOR ENGINE (NORMAL MODE), OPERATION, Subaru Select Monitor.>
- 4) Check the idle speed when no-loaded. (Headlight, heater fan, rear defroster, radiator fan, A/C and etc. are OFF)

Idle speed [No load and gears in neutral, “P” or “N” range]:

$700 \pm 100 \text{ rpm}$

- 5) Check the idle speed when loaded. (Turn the A/C switch to “ON” and operate the compressor for at least one minute before measurement.)

Idle speed [A/C ON and gears in neutral, “P” or “N” range]:

When A/C refrigerant pressure is low.

MT: $725 \pm 100 \text{ rpm}$

AT: $750 \pm 100 \text{ rpm}$

When A/C refrigerant pressure is high.

MT: $800 \pm 100 \text{ rpm}$

AT: $825 \pm 100 \text{ rpm}$

NOTE:

Idle speed cannot be adjusted manually, because the idle speed is automatically adjusted. If the prescribed idle speed cannot be maintained, refer to the General On-board Diagnosis Table under “Engine Control System”. <Ref. to EN(H4DOTC)(diag)-2, Basic Diagnostic Procedure.>