

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(H4DO w/o HEV)(diag)-37, DISPLAY ENGINE CURRENT DATA, OPERATION, Subaru Select Monitor.> <Ref. to EN(H4DO HEV)(diag)-36, DISPLAY CURRENT ENGINE DATA, OPERATION, Subaru Select Monitor.>

NOTE:

- Idle speed cannot be adjusted manually, because the idle speed is automatically adjusted.
- If idle speed is out of standard, refer to the General Diagnosis Table under “Engine Control System”. <Ref. to EN(H4DO w/o HEV)(diag)-2, Basic Diagnostic Procedure.> <Ref. to EN(H4DO HEV)(diag)-2, Basic Diagnostic Procedure.>
 - (1) Check the idle speed when no-loaded. (Headlight, blower fan, rear defroster, radiator fan, A/C and etc. are OFF)

Idle speed (No load, and for CVT model, select lever in “P” or “N” range, for MT model, gear shift lever in neutral position.):

Standard

650±100 r/min

- (2) 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 for CVT model, select lever in “P” or “N” range, for MT model, gear shift lever in neutral position.):

Standard

800 — 900±50 r/min