

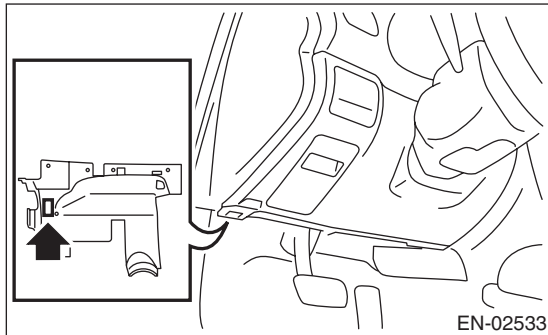
4. Ignition Timing

A: INSPECTION

CAUTION:

After warming-up, engine becomes very hot. Be careful not to burn yourself at measurement.

- 1) Before checking the ignition timing, check the following item:
 - (1) Check the air cleaner element is free from clogging, 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) 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 to ON.
- 7) Select {Each System Check} in Main Menu.
- 8) Select {Engine Control System} in Selection Menu.
- 9) Select {Current Data Display & Save} in Engine Control System Diagnosis.
- 10) Select {Data Display} in Data Display Menu.
- 11) Start the engine and check the ignition timing at idle speed.

Ignition timing [BTDC/rpm]:

$10^{\circ} \pm 8^{\circ} / 650$ (MT Model)

$15^{\circ} \pm 8^{\circ} / 700$ (AT model)

If the timing is not correct, check the ignition control system. Refer to "Engine Control System". <Ref. to EN(H4SO)(diag)-2, Basic Diagnostic Procedure.>