

## 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 Subaru Select Monitor.
- 5) Connect the Subaru Select Monitor to 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.>