

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) Read the ignition timing 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:

If ignition timing is out of standard, check the ignition control system. Refer to “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.>

Ignition timing [BTDC/{r/min}]:

Standard

$16^{\circ} \pm 10^{\circ} / 650$ (gasoline engine CVT model)

$12^{\circ} \pm 10^{\circ} / 650$ (gasoline engine MT model)

$10^{\circ} \pm 10^{\circ} / 650$ (HEV model)