4. Ignition Timing

A: INSPECTION

1. USING SUBARU SELECT MONITOR

1) Before checking the ignition timing speed, check the following:

(1) Ensure the air cleaner element is free from clogging, spark plugs are in good condition, and that hoses are connected properly.

(2) Ensure the malfunction indicator light does not illuminate.

2) Warm-up the engine.

3) Stop the engine, and then 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 switch to ON.

7) Select the {2. Each System Check} in Main Menu.

8) Select the {Engine Control System} in Selection Menu.

9) Select the {1. Current Data Display & Save} in Engine Control System Diagnosis.

10) Select the {1.12 Data Display} in Data Display Menu.

11) Start the engine and check the ignition timing at idle speed.

Ignition timing [BTDC/rpm]:
  17°±10°/700

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