■ DIAGNOSIS

1. General

The diagnosis circuit of the pre-crash safety system is integrated in the seat belt control ECU. This ECU detects malfunctions that may occur in the system in accordance with the signals provided by the ECUs and the sensors. The diagnosis function consists of an initial check, monitor, and DTC output functions.

2. Initial Check

The seat belt control ECU performs an initial check on the system for approximately 3 seconds after the power source has been turned ON.

3. Monitor Function

After completing the initial check, the pre-crash safety system becomes ready to operate. During this time, the seat belt control ECU periodically monitors the system for any malfunctions.

4. DTC Output

- If the seat belt control ECU detects a malfunction in the pre-crash safety system, it stores 5-digit DTC (Diagnostic Trouble Code) in memory.
- The 5-digit DTC can be read by connecting an intelligent tester II to the DLC3.