■FUNCTION OF MAIN COMPONENTS

1. General

Item		Function
Combination Meter Assembly	PCS Warning Light	Illuminates or flashes to warn the driver in accordance with signals from the seat belt control ECU.
	Multi-information Display	Displays a warning message to inform or warn the driver of the system condition in accordance with signals from the seat belt control ECU.
	Master Warning Light	Illuminates to warn the driver in accordance with signals from the seat belt control ECU.
	Buzzer	Sounds on to warn the driver in accordance with signals from the skid control ECU.
Front Seat Outer Belt		Retracts the seat belt in accordance with signals received from the seat belt control ECU.
	Seat Belt Motor	
Front Seat Inner Belt (Driver)		Detects the condition (verifies if the belt is buckled) of the driver seat belt and transmits a signal to the center airbag sensor assembly.
	Front Seat Buckle Switch	
Front Seat Inner Belt (Front Passenger)		Detects the condition (verifies if the belt is buckled) of the front passenger seat belt and transmits a signal to the seat belt control ECU.
	Front Seat Buckle Switch	
Seat Belt Control ECU		• Receives the seat belt operation request signal from the skid control ECU and operates the seat belts. • If the seat belt control ECU detects a malfunction in the pre-crash safety system, it will store DTC (Diagnostic Trouble Code).
Hydraulic Brake Booster Assembly	Skid Control ECU	• Determines if the brakes have been applied suddenly through signals received from the master cylinder pressure sensor, and outputs a seat belt operation signal to the seat belt control ECU. • Determines the occurrence of a front or rear wheel skid tendency, and outputs a seat belt operation signal to the seat belt control ECU.
	Master Cylinder Pressure Sensor	Detects the master cylinder pressure and transmits a signal to the skid control ECU.
Network Gateway ECU		Transmits signals between the movement control bus and the V bus through CAN communication.
Stop Light Switch		Detects if the brake pedal is pressed and transmits a signal to the skid control ECU.
Speed Sensor (4)		Detects the wheel speed and transmits the signals to the skid control ECU.
Yaw Rate Sensor		Detects the yaw rate and lateral/longitudinal deceleration of the vehicle and transmits the signals to the skid control ECU.
Steering Sensor		Detects the angle and direction of steering and transmits the signals to the skid control ECU.

Service Tip

When the seat belt control ECU is replaced, an active test of the seat belt motor must be performed in accordance with the following procedure to check that the motor operates properly.

(1) Turn the engine switch on (IG).
(2) Monitor the PCS warning light for at least 3 seconds after turning the engine switch on (IG). Make sure that the warning light does not remain on.
(3) Connect an intelligent tester II to the DLC3 and enter the active test mode.
(4) Perform an active test of the seat belt motor and check that the motor operates properly.

For details, refer to the Land Cruiser (Station Wagon) Repair Manual (Pub. No. RM0810E).

2. Combination Meter Assembly

- The master warning light, PCS warning light, warning message of the multi-information display, and buzzer in the combination meter assembly warn the driver of the abnormal or poor conditions of the pre-crash safety system.
- Two types of warning messages are used for the pre-crash safety system, as described below. The pre-crash safety system will not operate when these messages appear in the combination meter assembly.

Warning Message	Detail	0150BE35C	PCS 01YBE200P	Buzzer	DTC
 080BE102TE	This message appears when the seat belt control ECU detects a system malfunction.	Illuminate	Illuminate	Sounds once	○
 080BE103TE	This message appears when the seat belt control ECU overheats. After this condition has been resolved, the system will operate normally.	—	Flash	Sounds once	×

○: Repair is required / DTC are output
×: Repair is not required / DTC are not output
—: Not available