■FUNCTION OF MAIN COMPONENTS

Item		Function
Combination Meter	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 seat belt control ECU.
Millimeter Wave Radar Sensor (See page BE-233)		Radiates millimeter radio wave radar to forward, uses the reflected millimeter radio wave for detecting the presence of a vehicle being driven ahead, the vehicle-to-vehicle distance, and the relative speed, and transmits these pieces of information to the distance control ECU.
Front Seat Outer Belt	Seat Belt Motor	Retracts the seat belt in accordance with signals received from the seat belt control ECU.
Front Seat Inner Belt (Driver)	Seat Belt Buckle Switch	Detects the condition (verifies use of belt) of the driver seat belt and transmits a signal to the airbag sensor assembly.
Front Seat Inner Belt (Front Passenger)	Seat Belt Buckle Switch	Detects the condition (verifies use of belt) of the front passenger seat belt and transmits a signal to the airbag sensor assembly.
Airbag Sensor Assembly		Transmits the condition (fastened or unfastened) of the driver seat belt to the seat belt control ECU.
Distance Control ECU		Makes a judgment that a collision is unavoidable based on the information received from the millimeter wave radar sensor. It then outputs a seat belt operation signal and brake assist standby request signal.
Seat Belt Control ECU		● Receives a seat belt operation request signal from the distance control ECU or 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).
Skid Control ECU		● Receives a brake assist standby request signal from the distance control ECU and switches the brake assist to the standby mode. When a stop light switch signal is input, it operates the brake assist. ● Determines that the brakes have been applied suddenly through a signal received from the master pressure sensor, and outputs a seat belt operation signal to the seat belt control ECU. ● Determines the presence of a front wheel skid tendency or rear wheel skid tendency, and outputs a seat belt operation signal to the seat belt control ECU. ● Transmits a vehicle speed signal to the distance control ECU.
Brake Actuator	Master Cylinder Pressure Sensor	Detects the master cylinder pressure and transmits a signal to the skid control ECU.
	Pump Motor	Receives an actuate signal from the skid control ECU and generates hydraulic pressure for brake assist.

(Continued)

Item	Function
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 signal and transmits the signal to the skid control ECU.
Yaw Rate & Deceleration Sensor	Detects the yaw rate and lateral/longitude deceleration of the vehicle and transmits the signal to the skid control ECU and the distance control ECU.
Steering Angle Sensor	Detects the angle and direction of steering and transmits a signal to the skid control ECU and the distance control ECU.

Service Tip

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

(1) Power source is turned ON.
(2) Monitor the PCS warning light for at least 3 seconds after turning the power source is ON. Make sure that the warning light does not remain on.
(3) Connect the intelligent tester II to the DLC3 and enter the select active test mode.
(4) Perform active test of the seat belt motor and check that the motor operates properly.

For details, refer to Camry Repair Manual.