

SEAT BELT WARNING SYSTEM

1. General

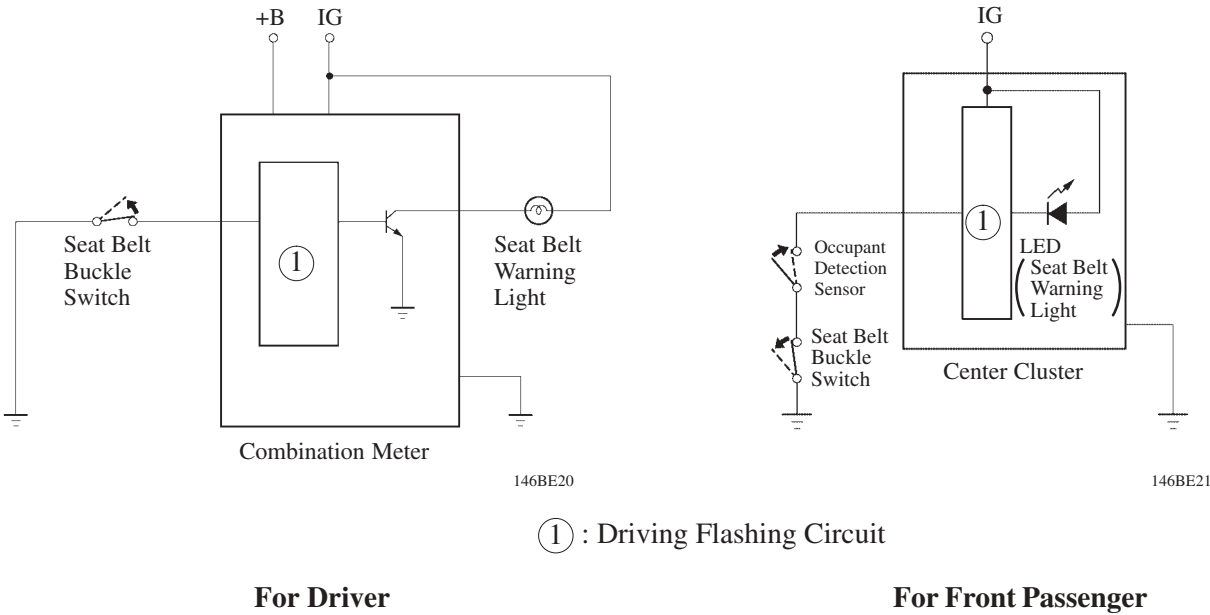
The seat belt warning system illuminates the warning light or sounds the buzzer to inform the driver or the front passenger that their seat belts have not been buckled, if the driver or the front passenger has not buckled the respective seat belt when the ignition switch is turned ON.
This system is provided as shown in the following table.

Availability

●: Standard ○: Option

Destination and Grade		Europe	Australia			G.C.C. Countries			General Countries		
Seat for Warning	Warning Method	VX	VX	GX	STD	VX	GX	STD	VX	GX	STD
Driver and Front Passenger	Light and Buzzer					●	○	○			
	Light	●	●	○	○				●	○	○
Driver	Light and Buzzer						●	●			
	Light			●	●					●	●

2. Wiring Diagram



3. Seat Belt Warning for Driver

Construction

The seat belt warning for the driver consists of the driver seat belt buckle switch, seat belt warning light for the driver and warning buzzer for driver (models with warning buzzer).

1) Driver Seat Belt Buckle Switch

The driver seat belt buckle switch is enclosed in the seat belt buckle of the driver seat to detect whether or not the seat belt for the driver is being worn.

2) Seat Belt Warning Light for Driver

The seat belt warning light for the driver is located in the combination meter. This light flashes to warn if the driver does not have the seat belt buckled.

3) Warning Buzzer for Driver (Models with Warning Buzzer)

The warning buzzer for the driver is located in the combination meter.

The warning buzzer sounds for several seconds if the driver's seat belt is not buckled.

Operation

If the driver's seat belt is not buckled when the ignition switch is turned ON, the warning light in the combination meter flashes. The warning light continues to flash until the driver wears the seat belt. The models with warning buzzer sounds the warning buzzer for several seconds simultaneously with the flashing of the warning light.

Ignition Switch	ON OFF	
Driver Seat Belt Buckle Switch	ON OFF	
Seat Belt Warning Light for Driver	ON OFF	
Warning Buzzer for Driver	ON OFF	

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4. Seat Belt Warning for Front Passenger

Construction

The seat belt warning for the front passenger consists of the front passenger seat belt buckle switch, occupant detection sensor, seat belt warning light for the front passenger.

1) Front Passenger Seat Belt Buckle Switch

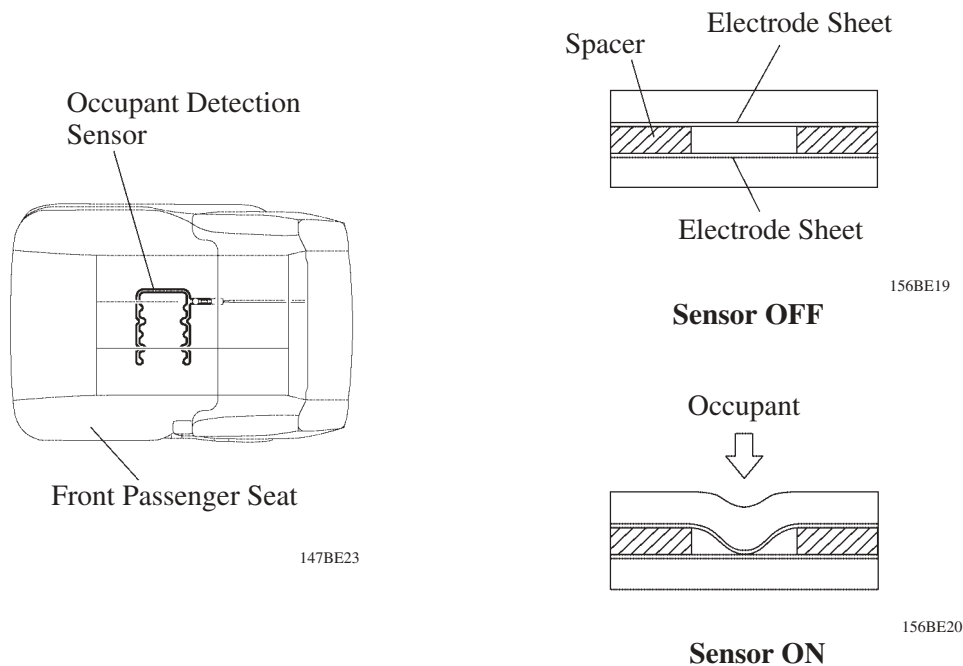
The front passenger seat belt buckle switch is enclosed in the seat belt buckle of the front passenger seat to detect whether or not the seat belt for the front passenger is being worn.

2) Belt Warning Occupant Detection Sensor

The occupant detection sensor, which is enclosed in the seat cushion of the front passenger seat, is used to detect whether or not the front passenger seat is occupied.

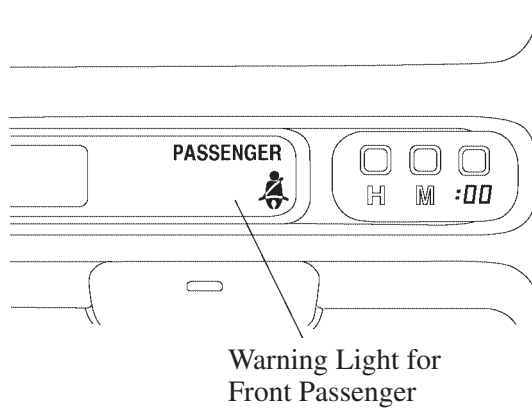
This sensor, which is shaped as illustrated below, consists of a construction in which two sheets of electrodes sandwich a spacer. When the occupant is seated, the electrode sheets come in contact with each other through the hole that is provided in the spacer portion, thus enabling the current to flow.

Thus, the sensor detects whether or not an occupant is seated in the front passenger seat.



3) Seat Belt Warning Light for Front Passenger

The seat belt warning light for the front passenger is located in the display of the center cluster. This light flashes to warn if the front passenger does not have the seat belt buckled.



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Operation

When an occupant is seated in the front passenger seat, the occupant detection sensor activates, thus enabling the system to recognize that the occupant has seated. When the ignition switch is turned ON, a warning light flashes if the front passenger is not wearing the seat belt. The warning light continues to flash until the front passenger wears the seat belt.

If the front passenger seat is not occupied, the warning light remains extinct regardless of the condition of the seat belt.