

Seat Belt Warning System

- A flashing type unbuckled seat belt warning system is used to urge the driver and the front passenger to buckle their seat belts. The warning indicator light for the driver is located in the combination meter, and for the front passenger is located in the multi display assembly.
- An occupant detection sensor is provided under the front passenger seat cushion cover to detect whether the seat is occupied.

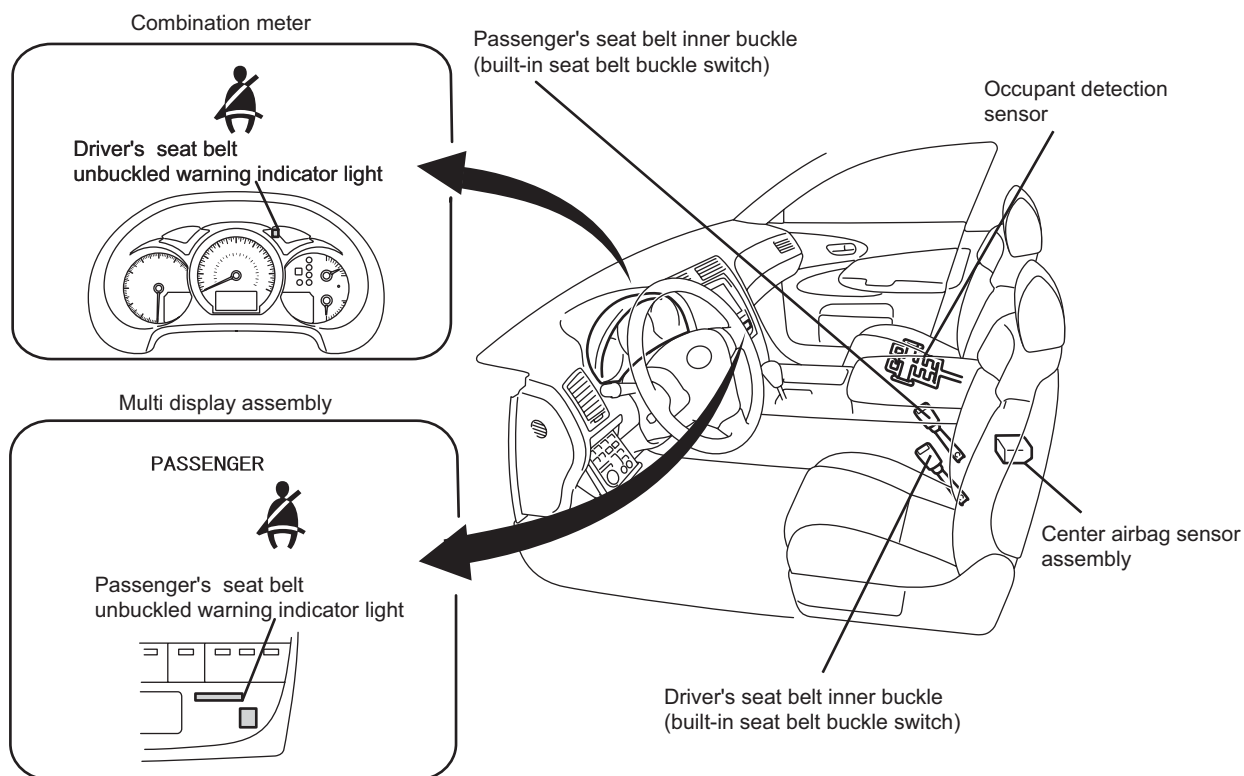
Seat Belt Unbuckled Warning Function

Driver's seatbelt unbuckled warning

- When the ignition is turned ON, the driver's unbuckled seat belt warning indicator light starts to flash, in order to urge the driver to buckle the seat belt.
- When the meter ECU detects that the driver's seat belt is buckled (the tongue plate is locked into the driver's seat belt inner buckle) it turns OFF the warning indicator light.

Passenger's seatbelt unbuckled warning

- When the ignition is turned ON, if the occupant detection sensor detects the presence of an occupant in the front passenger seat, it starts to flash the front passenger's unbuckled seat belt warning indicator light, in order to urge the front passenger to buckle the seat belt.
- When the meter ECU detects that the front passenger's seat belt is buckled (the tongue plate is locked into the front passenger's seat belt inner buckle) it turns OFF the warning indicator light.



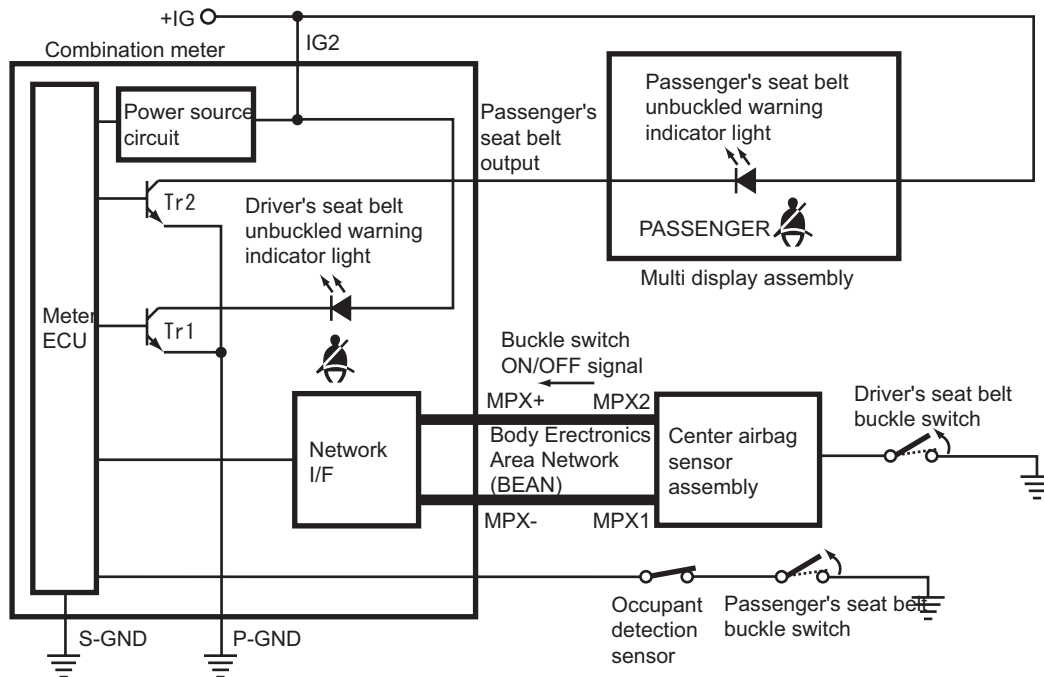
Seat Belt Unbuckled Warning Operation

Driver's seatbelt unbuckled warning

- If the driver's seat belt is unbuckled (the tongue plate is not locked into the buckle) when the ignition is ON, the center airbag sensor assembly will input a driver's seat belt buckle switch ON signal.
- Upon receiving the driver's seat belt buckle switch ON signal from the center airbag sensor assembly in the form of a BEAN (Body Electronics Area Network) signal, the meter ECU will turn the Tr1 terminal ON, in order to flash the LED for the driver's unbuckled seat belt warning indicator.
- Upon receiving a driver's seat belt buckle switch OFF signal as a result of the buckling of the driver's seat belt (the tongue plate is locked into the buckle), the meter ECU will turn OFF the LED for the driver's unbuckled seat belt warning indicator.

Passenger's seatbelt unbuckled warning

- When the ignition is ON, if a person occupies the front passenger seat without buckling the front passenger seat belt (the tongue plate is not locked into the buckle), the meter ECU will receive the inputs of an occupant detection sensor ON signal and a front passenger seat belt buckle switch ON signal. Consequently, the meter ECU will turn ON the Tr2 terminal, in order to flash the LED for the front passenger's unbuckled seat belt warning indicator.
- If the meter ECU receives the input of an occupant detection sensor OFF signal, or a front passenger's seat buckle switch OFF signal as a result of the buckling of the front passenger's seat belt (the tongue plate is locked into the buckle), the meter ECU will turn OFF the LED for the front passenger's unbuckled seat belt warning indicator.



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