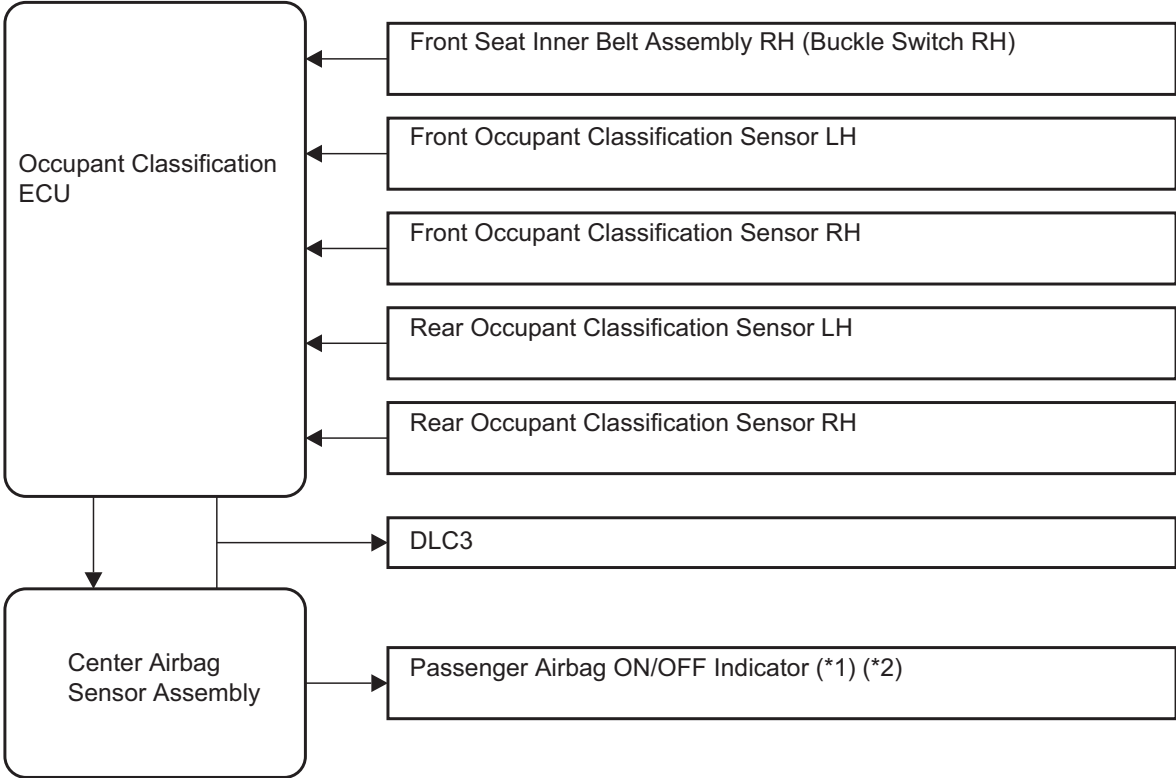


# SYSTEM DIAGRAM

RS



\*1: Center Cluster Integration Switch Assembly (w/o LEXUS Navigation System)

\*2: Multi-display Assembly (w/ LEXUS Navigation System)

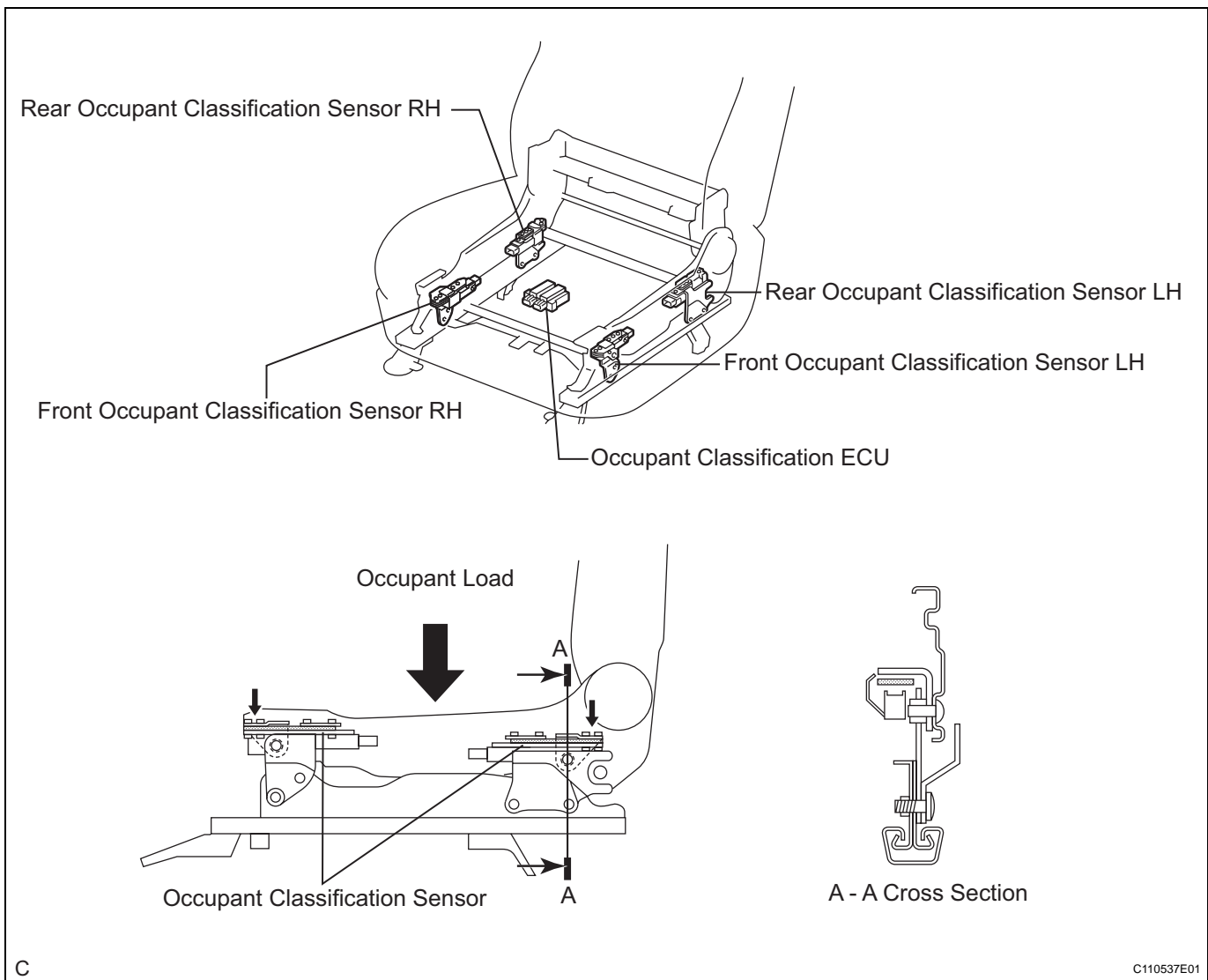
## SYSTEM DESCRIPTION

### 1. DESCRIPTION OF OCCUPANT CLASSIFICATION SYSTEM

#### (a) GENERAL DESCRIPTION.

- (1) In the occupant classification system, the occupant classification ECU calculates the weight of the occupant based on a signal from the occupant classification sensors. This system recognizes the occupant to be a child if it detects a weight of less than 36 kg (79.37 lb), and disables the front passenger airbag and side airbag (front passenger side).
- (2) This system is mainly comprised of 4 occupant classification sensors that detect the load on the front passenger seat. The occupant classification ECU controls the system, and the passenger airbag ON/OFF indicator indicates the ON/OFF condition of the front passenger airbag and side airbag (front passenger side).

#### (b) OCCUPANT CLASSIFICATION SENSOR.





- (1) The occupant classification sensors are installed on 4 brackets connecting the seat rail and seat frame. Accordingly, when load is applied to the front passenger seat by an occupant sitting in it, the occupant classification sensors register a distortion.
- (c) DESCRIPTION FOR PASSENGER AIRBAG ON/OFF INDICATOR.
- (1) The passenger airbag ON/OFF indicator is installed on the center cluster integration switch assembly (w/o LEXUS navigation system) or multi-display assembly (w/ LEXUS navigation system). This indicator informs the driver by ON/OFF indication, whether the occupant classification ECU puts the front passenger airbag assembly into an active state or inactive state.
- (2) If a malfunction occurs in the occupant classification system, "OFF" indication of the passenger airbag ON/OFF indicator and the SRS warning light turn on.