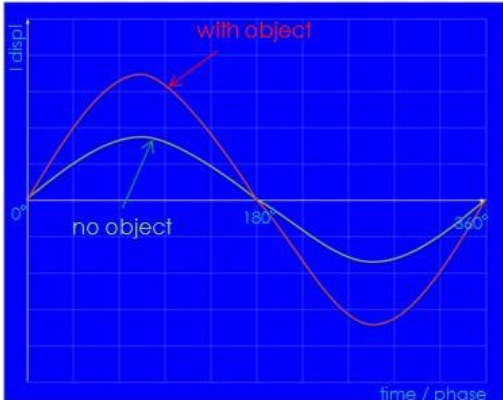




Occupant Detection Technology

Low cost Occupant detection for low risk airbag deployment.

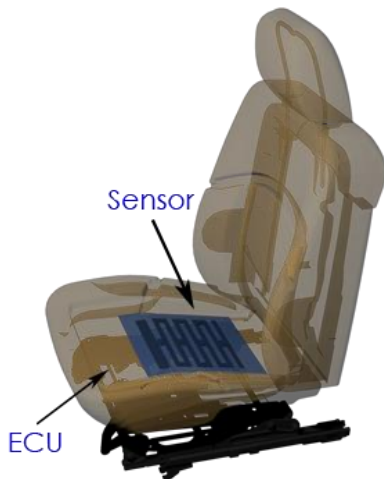


EF Technology

Elesys' Electrical Field (EF) sensing technology is a low cost sensing technology. The system works by emitting a very low level electrical field. When a person enters the electric field (sits in the seat) a change in the field occurs. This change is measured and processed by the control unit to make various judgments; in this case, whether to enable or suppress an airbag.

ODS: Occupant Detection System

The Elesys Occupant Detection System (ODS) is based on our EF technology. The system is composed of a single-layered, flexible sensor assembly. Elesys' EF technology provides a low cost alternative to classification between varying size passengers for low risk airbag deployment technology. The Elesys system fulfills the requirements set forth by FMVSS 208 issued by the National Highway Traffic Safety Administration in the United States.



OPDS: Occupant Detection Technology

The Occupant Position Detection Systems utilizes the same EF technology as ODS, but with sensors in the back cushion of the seat. In the event that a child's head is detected in the deployment path of the side airbag, the ECU will suppress the side air bag in order to prevent serious or even fatal injury to the passenger.

Benefits



EF Technology

- Lower cost compared to Seat Weight Sensors and Bladder Sensors
- Possibility for other applications such as Seat Belt reminder

ODS: Occupant Detection System

- Not affected by weight
- FMVSS 208 compliant
- Excellent performance with child seats

OPDS: Occupant Detection Technology

- Easy to configure and install
- Works well with seat warmers and vented seats

General inquiries

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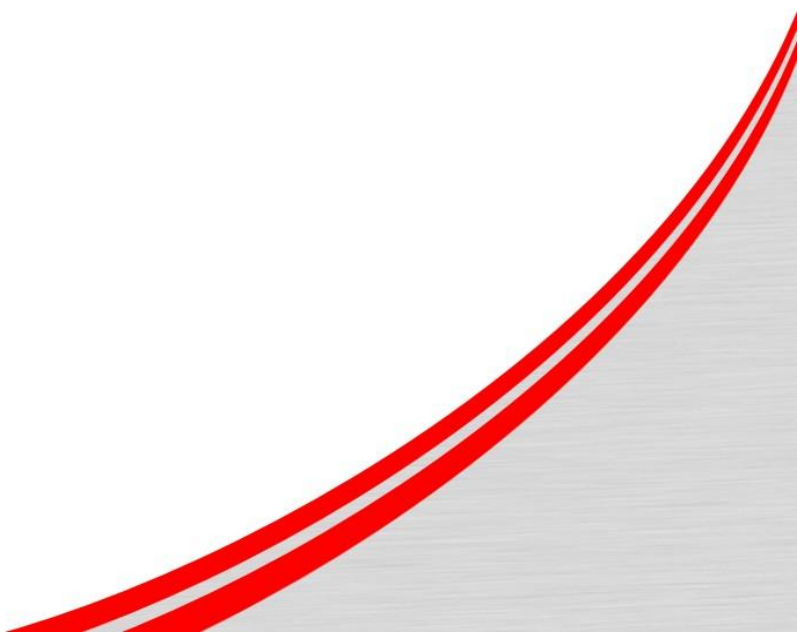
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