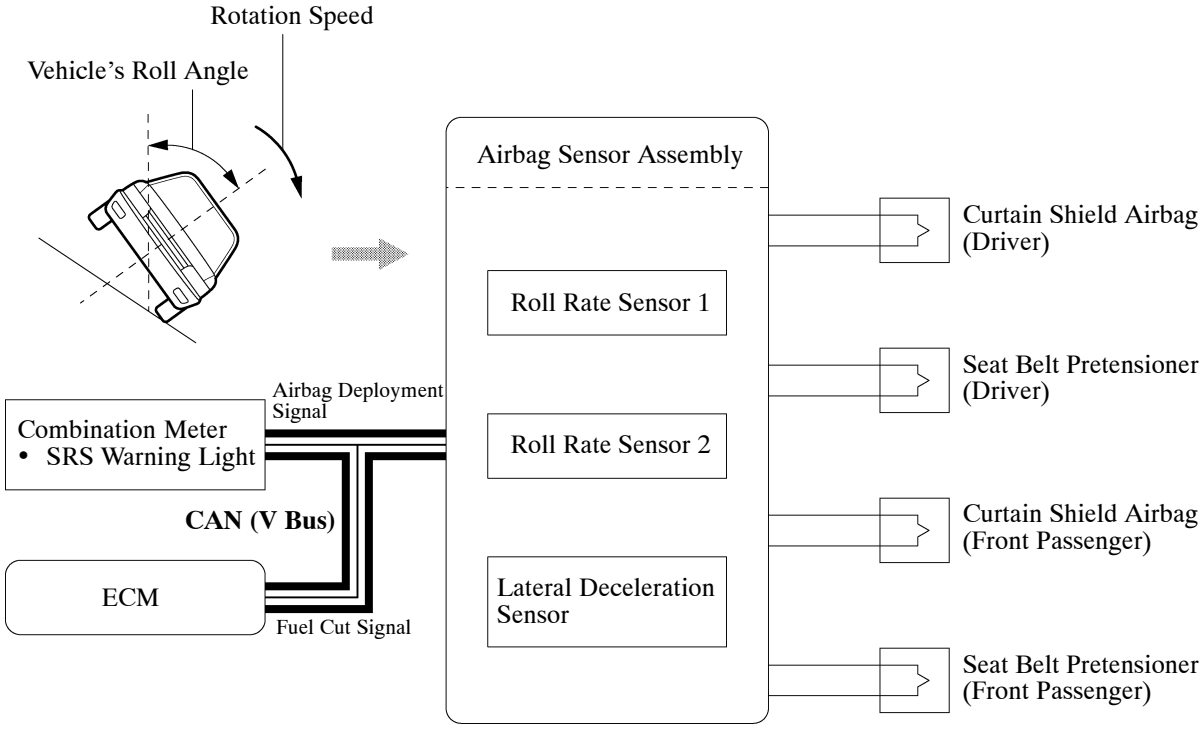
■AIRBAG FOR ROLL OVER

1. General

When the vehicle is rolling sideways, the RSCA (Roll Sensing Curtain Shield Airbags) helps to reduce the impact that is applied to the occupants by operating the left and right curtain shield airbags and the seat belt pretensioners for the driver and front passenger.

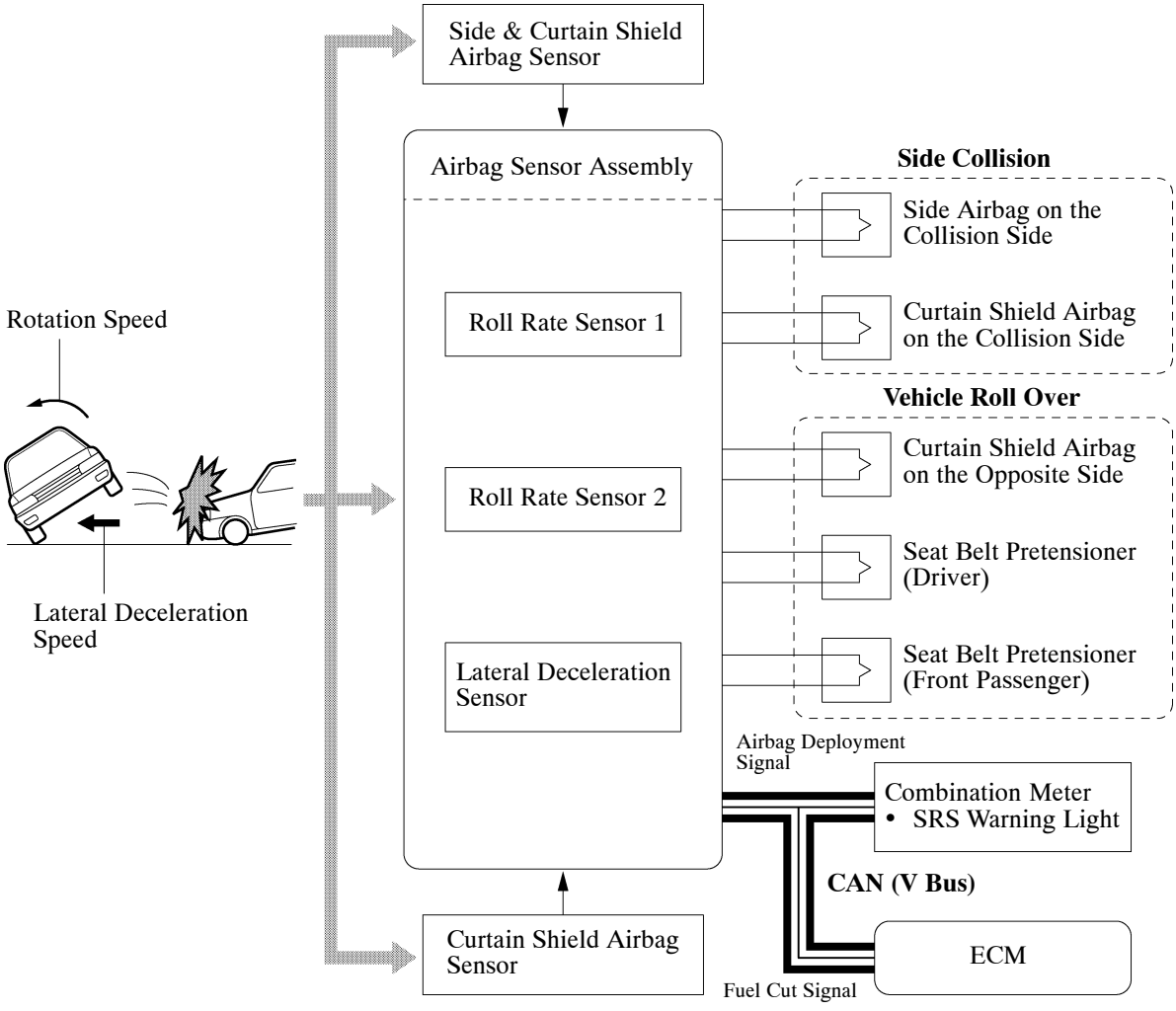
- If the vehicle rolls over due to an incline, the two roll rate sensors and lateral deceleration sensor that are built into the Airbag Sensor Assembly detect the vehicle's roll angle, rotation speed and lateral deceleration speed.



Roll over due to an incline

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- If the vehicle has rolled over due to a side collision, the side & curtain shield airbag sensors detects the impact of the collision and deploy the side and curtain shield airbags on the side collision. Roll over is detected by the two roll rate sensors and lateral deceleration sensor, and Airbag Sensor Assembly deploys the curtain shied airbag on the opposite side of the collision and the seat belt pretensioner for driver and front passenger.



Rollover due to a side collision

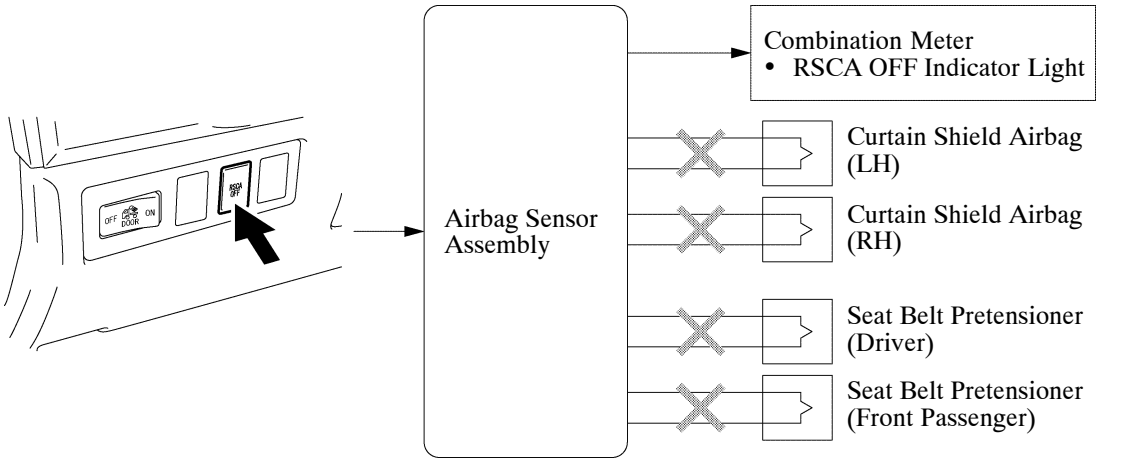
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2. RSCA OFF Switch

In consideration of offroad driving, an RSCA OFF switch is used to enable the driver to cut off the RSCA control at will.

- If the RSCA OFF switch remains pressed for two or more seconds, the Airbag Sensor Assembly cuts off the operation of the RSCA.
- In the case of a side collision, the Airbag Sensor Assembly will operate the curtain shield airbags regardless of whether the RSCA OFF switch is ON or OFF.



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