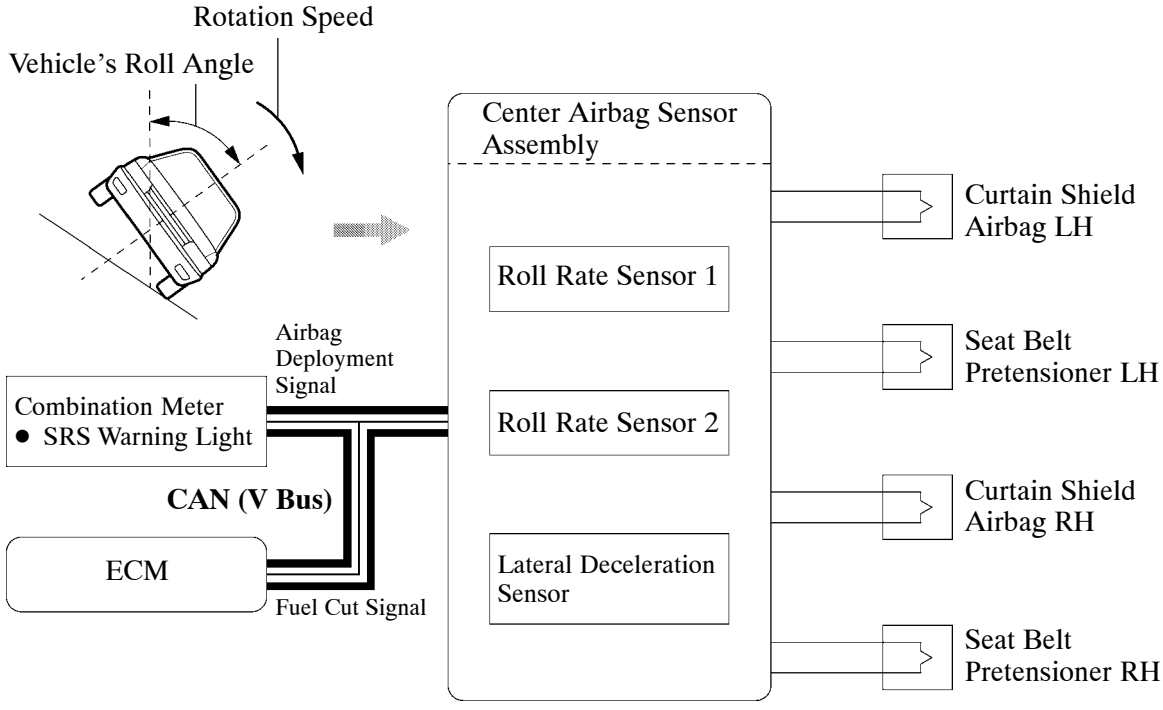
■AIRBAG FOR ROLLOVER

1. General

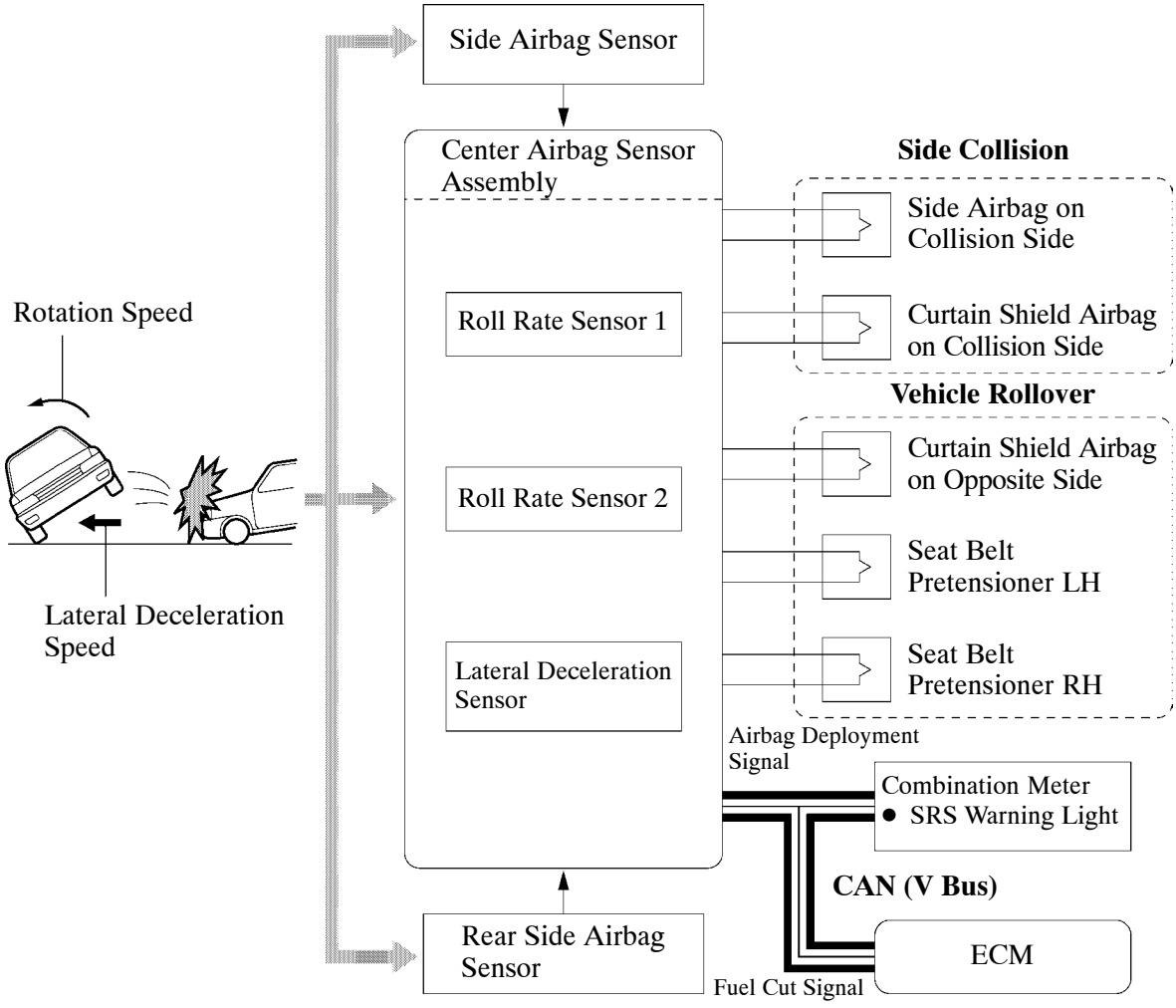
When the vehicle is rolling sideways, the Roll Sensing Curtain shield Airbag (RSCA) helps to reduce the impact that is applied to the occupants by operating the left and right curtain shield airbags and the seat belt pretensioners for the driver and front passenger.

- If the vehicle rolls over due to an incline, the 2 roll rate sensors and a lateral deceleration sensor that are built into the center airbag sensor assembly detect the vehicle's roll angle, rotation speed and lateral deceleration speed.



Rollover due to Incline 04E0BE82C

- If the vehicle has rolled over due to a side collision, the side airbag sensor detects the impact of the collision and deploys the side and curtain shield airbags on the side which experienced the collision. By detecting the rollover using the 2 roll rate sensors and a lateral deceleration sensor, the center airbag sensor assembly deploys the curtain shield airbag on the opposite side of the collision and activates the seat belt pretensioners for the driver and front passenger.

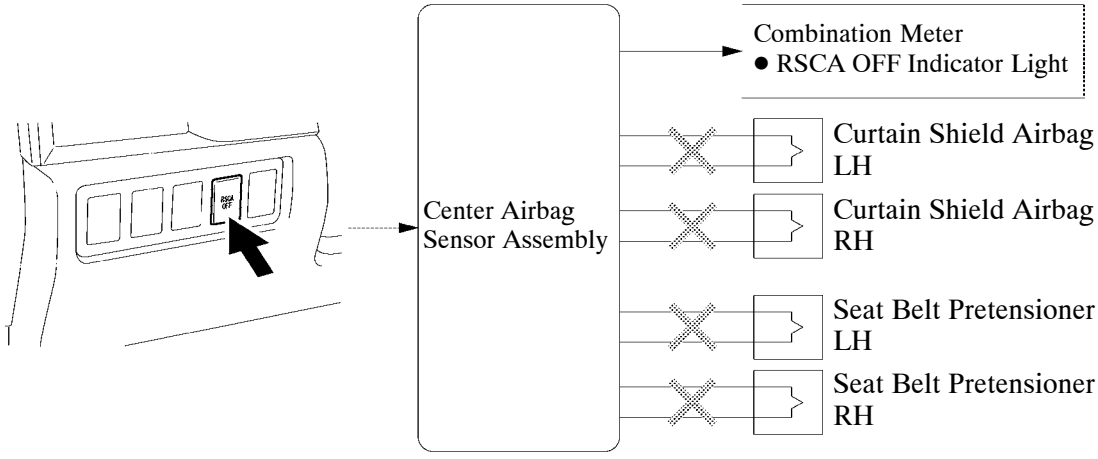


Rollover due to Side Collision 04E0BE83C

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 2 seconds or more, the center airbag sensor assembly cuts off the operation of the RSCA.
- In the case of a side collision, the center airbag sensor assembly will operate the curtain shield airbags regardless of whether the RSCA OFF switch is on or off.



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