■AIRBAG FOR SIDE/REAR SIDE COLLISION

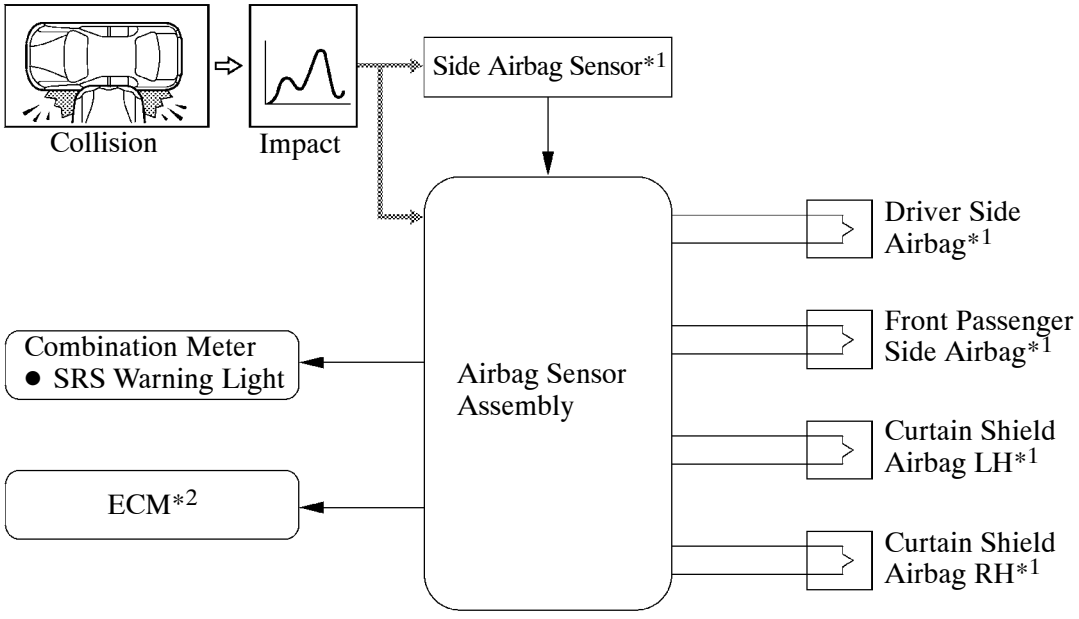
1. General

The airbag for side collisions contains 2 airbags: side and curtain shield. These airbags deploy simultaneously. The airbag for rear side collisions contains only the curtain shield airbag.

- With the airbag for side collisions, if the side airbag sensor detects an impact, it informs the airbag sensor assembly, and the airbag sensor assembly causes the side and curtain shield airbags to be deployed simultaneously.
- With the airbag for rear side collisions, if the curtain shield airbag sensor detects an impact, it informs the airbag sensor assembly via the side airbag sensor, and the airbag sensor assembly causes the curtain shield airbag to be deployed.

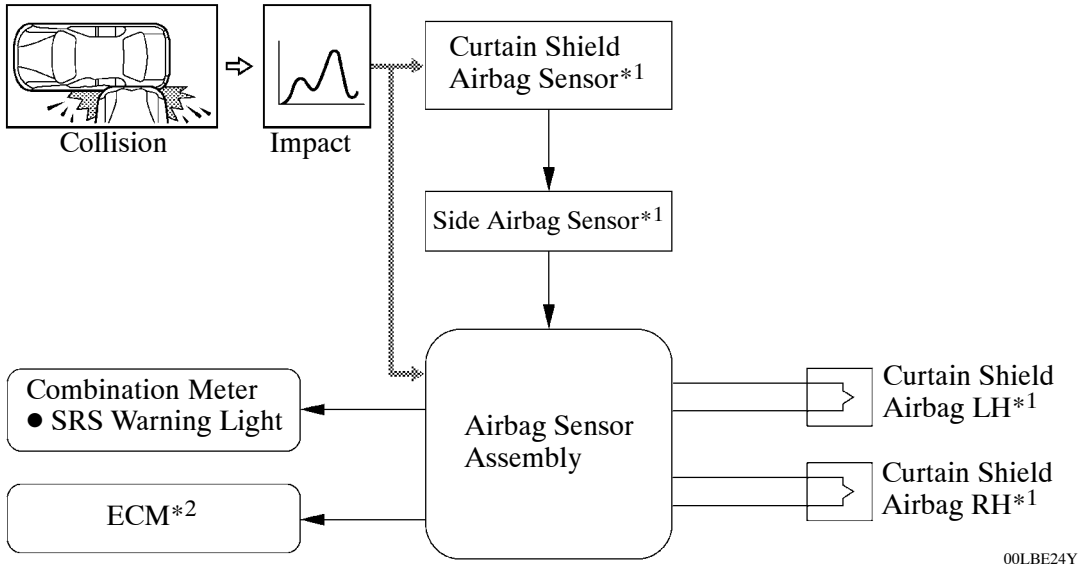
▶ System Operation ◀

Airbag for Side Collision



*1: Double cab models with driver, front passenger, side and curtain shield airbags
*2: Except models with diesel engine

Airbag for Rear Side Collision



*1: Double cab models with driver, front passenger, side and curtain shield airbags
*2: Except models with diesel engine

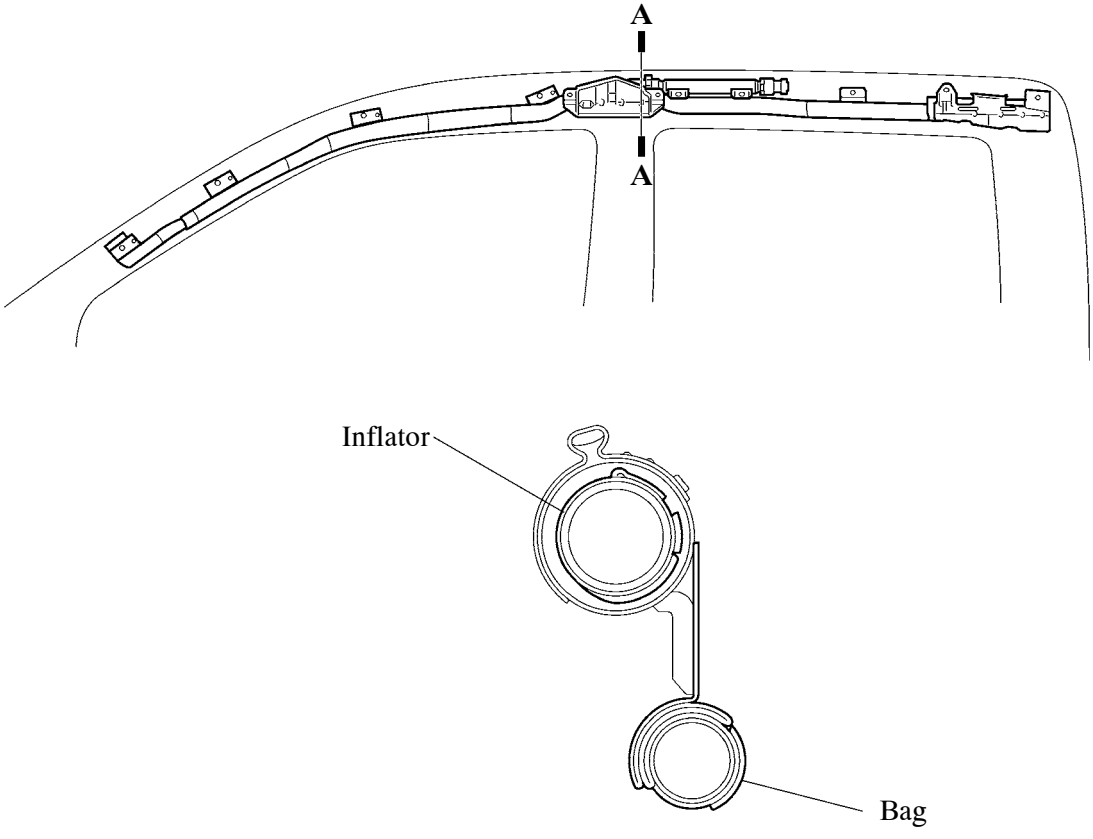
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2. Side Airbag Sensor and Curtain Shield Airbag Sensor

A deceleration sensor is enclosed in both the side and the curtain shield airbag sensors. Based on the deceleration of the vehicle during a side or side rear collision, a distortion is created in the sensor and converted into an electrical signal.

3. Curtain Shield Airbag

A rear side collision is detected by the curtain shield airbag sensor in order to deploy the curtain shield airbag.



A – A Cross Section

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