■AIRBAG FOR SIDE/SIDE REAR COLLISION

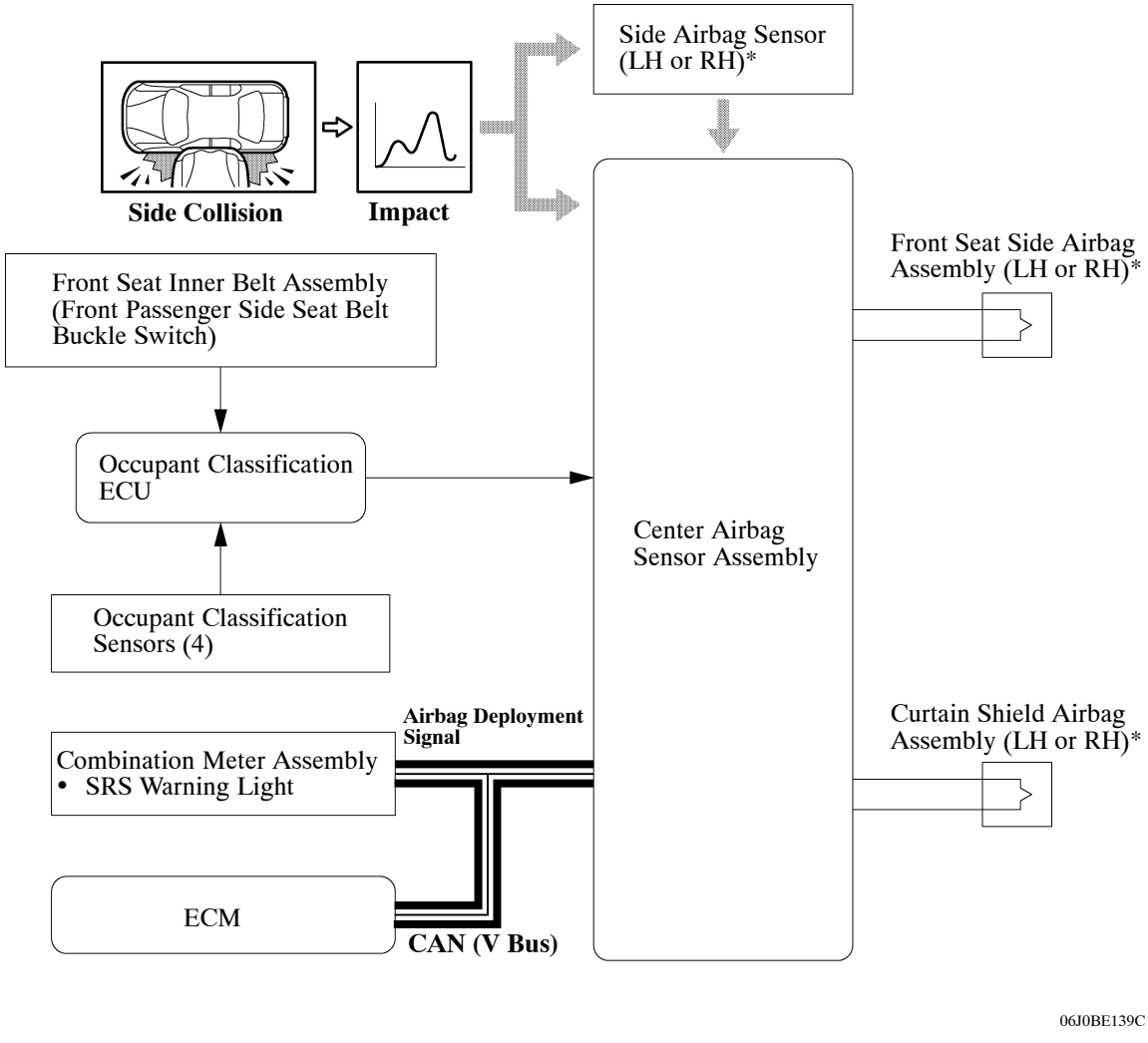
1. General

For severe side collisions there are two airbags: front seat side airbag assembly and curtain shield airbag assembly. These airbags deploy simultaneously.
For severe side rear collisions only the curtain shield airbag assembly will deploy.

- For a side collision, if the side airbag sensor detects an impact, it informs the Center Airbag Sensor Assembly, and the Center Airbag Sensor Assembly causes the front seat side and curtain shield airbag assemblies to be deployed simultaneously.
- For a side rear collision, if the rear airbag sensor detects an impact, it informs the Center Airbag Sensor Assembly via the side airbag sensor, and the Center Airbag Sensor Assembly causes the curtain shield airbag assembly to be deployed.

2. System Diagram

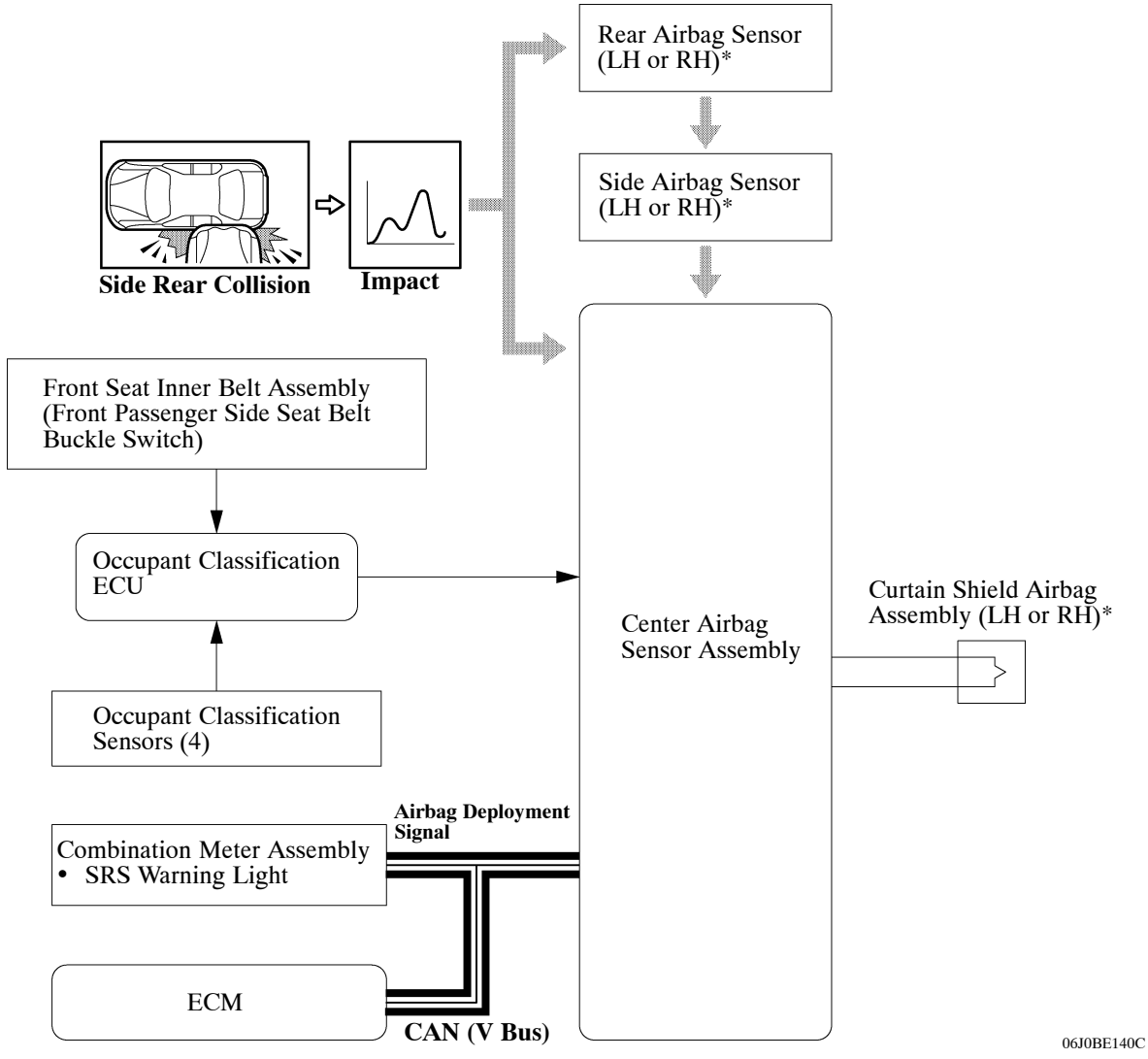
For Side Collision



*: The sensor on the collision side detects an impact and causes the airbags on that side to deploy.

BE

For Side Rear Collision



*: The sensor on the collision side detects an impact and causes the airbags on that side to deploy.

3. Front Seat Side Airbag Assembly

Front seat side airbag assemblies are installed in the seat backs of the driver seat and the front passenger seat. Each front seat side airbag assembly is a one-piece design, consisting of an inflator, a bag, and a cover.

4. Curtain Shield Airbag Assembly

Curtain shield airbag assemblies are installed in the area close to the sides of the headliner. Each SRS curtain shield airbag assembly is a one-piece design, consisting of an inflator, a bag, and a cover.

5. Side and Rear Airbag Sensors

A deceleration sensor is enclosed in the side airbag sensor and rear airbag sensor. 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.