■ SRS SIDE AIRBAG

1. Description

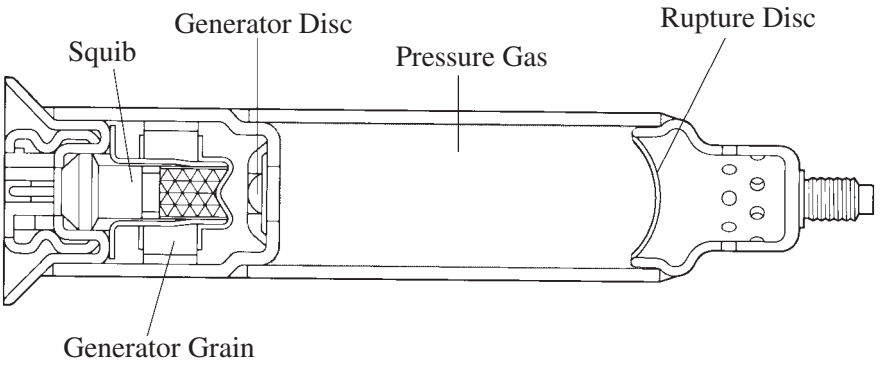
- In conjunction with the energy absorbing doors, the SRS side airbags have been designed to help reducing the impact energy that is transmitted to the driver and front passenger in the event of a side collision. In a side collision, the side airbag sensor detects the shock and if the side-to-side shock is greater than a specified value, the airbags stored in the seat back for the driver and the front passenger inflate instantly to help reducing the likelihood of the driver's or front passenger's arm and chest directly hitting the door trim.

2. Construction and Operation

Inflator for Side Airbag

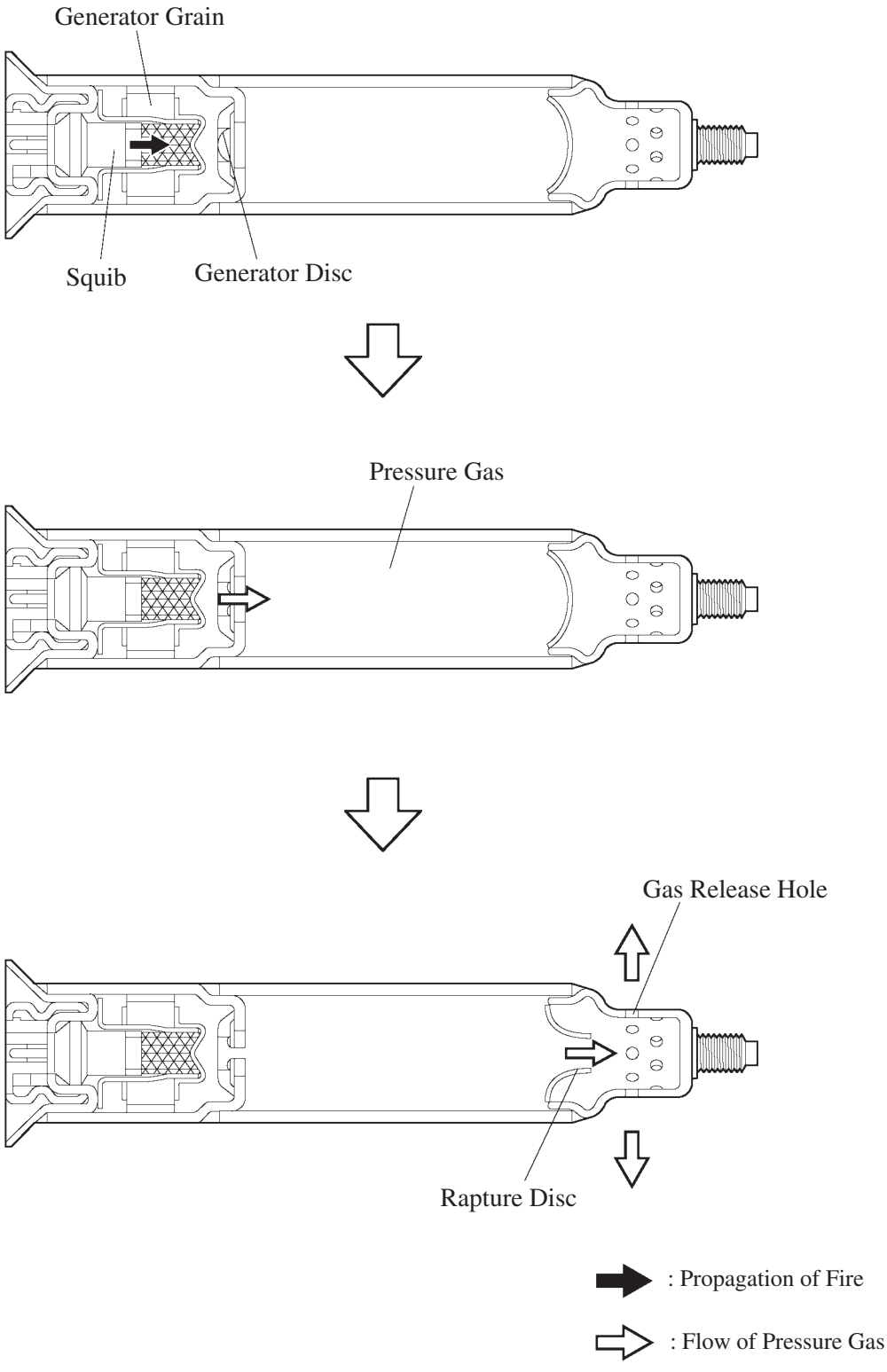
The inflator is compraised of a sguib, generator grain, pressure gas and etc.
If the airbag sensor is activated by deceleration caused by a side collision, the electric current then ignites the squib located in the inflator. Then, the combustion gas that is generated by the combustion of the generator grain causes the generator disc to tear, enabling the heat of the combustion gas to expand the pressure gas. Then, this pressure tears the rupture disc, allowing the pressure gas in the bottle to blow into the airbag, thus expanding the airbag instantly.

▶ Construction ◀



163BE28

▶ Operation ◀



163BE29