

SIDE AIR BAG MODULE

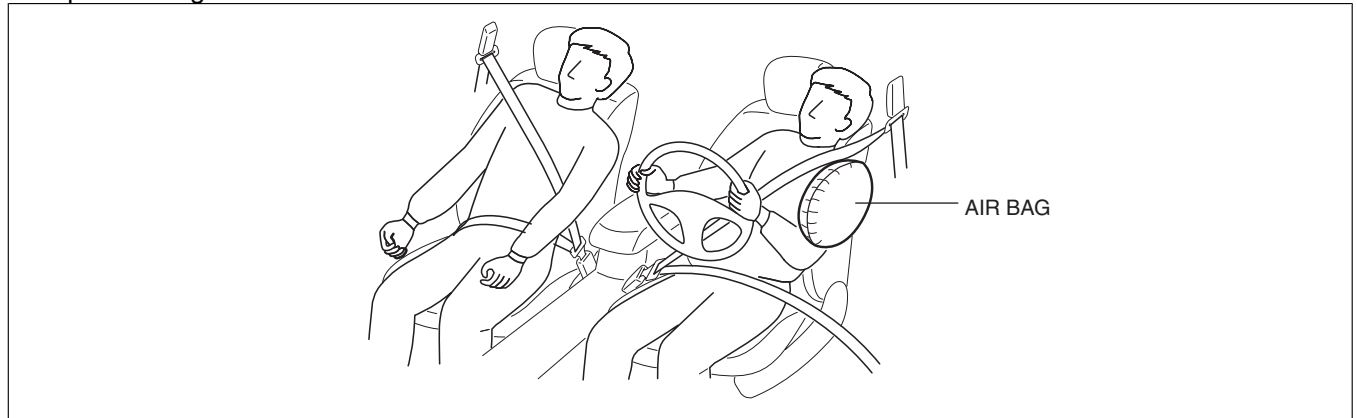
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Purpose

- When a side air bag module receives an impact from a lateral collision, the operation (deployment) of the air bag mediates the impact to the chest, stomach, and waist of the driver and front passenger.

Function

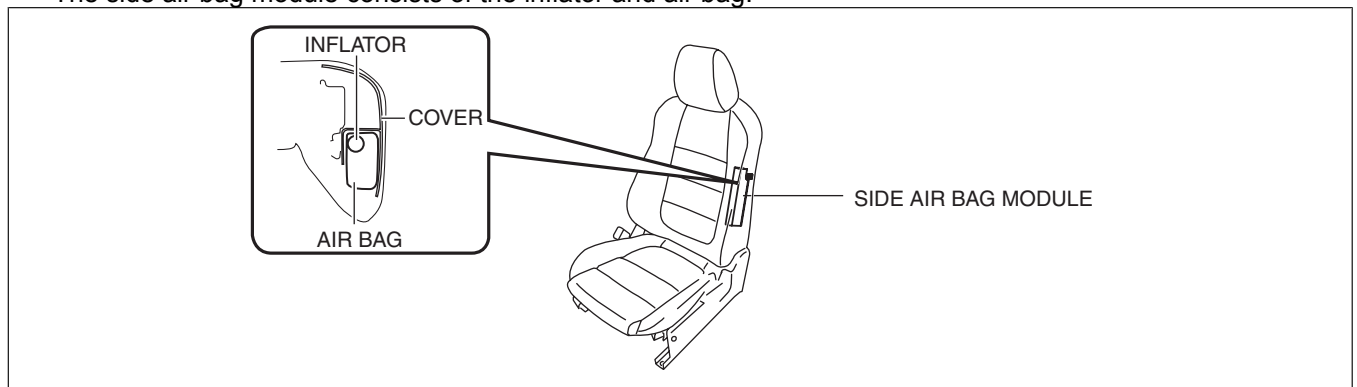
- When a side air bag module receives an impact from a lateral collision, the air bag is operated (deployed) by the operation signal sent from the SAS control module.



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Construction

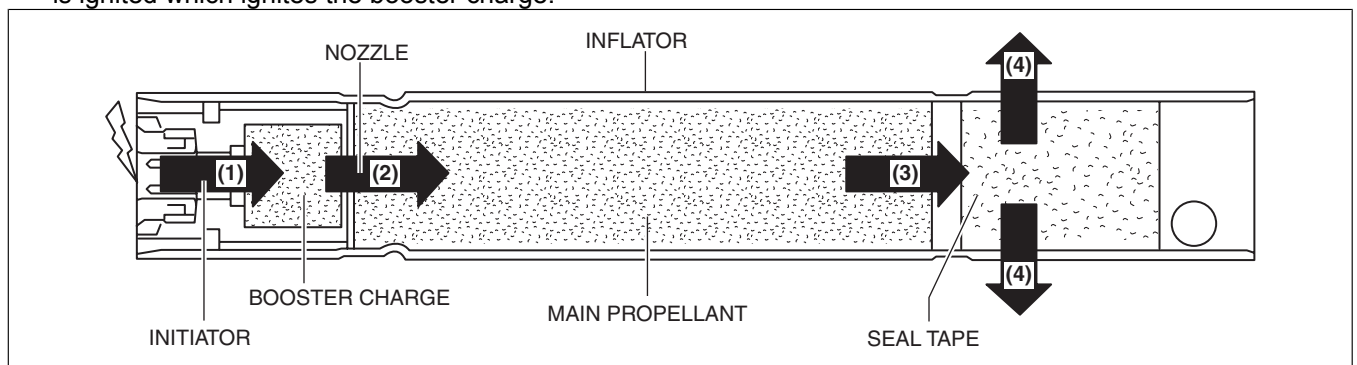
- The side air bag modules are installed on the door side of the front seat backs.
- The side air bag module consists of the inflator and air bag.



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Operation

- The side air bag module operates (deploys) the air bag by activating the internal inflator.
 - The inflator operates (deploys) in the following order:
- When an operation (deployment) signal is received from the SAS control module, the initiator built into the inflator is ignited which ignites the booster charge.



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- The high temperature gas flows into the combustion chamber from the nozzle to ignite the main propellant.
- The seal tape is broken by the internal pressure in the combustion chamber, and the gas is sprayed out of the inflator through the diffuser (diffusion devise).

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4. When the side air bag module operates (deploys), the air bag operates (deploys) while breaking open the seat back trim by the force of gas generated from the inflator.

Fail-safe

- Function not equipped.