

DRIVER-SIDE AIR BAG MODULE

id081000500500

Purpose

- When the driver-side air bag module receives an impact from a frontal or frontal offset collision, the operation (deployment) of the air bag mediates the impact to the head and face of the driver.

Function

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



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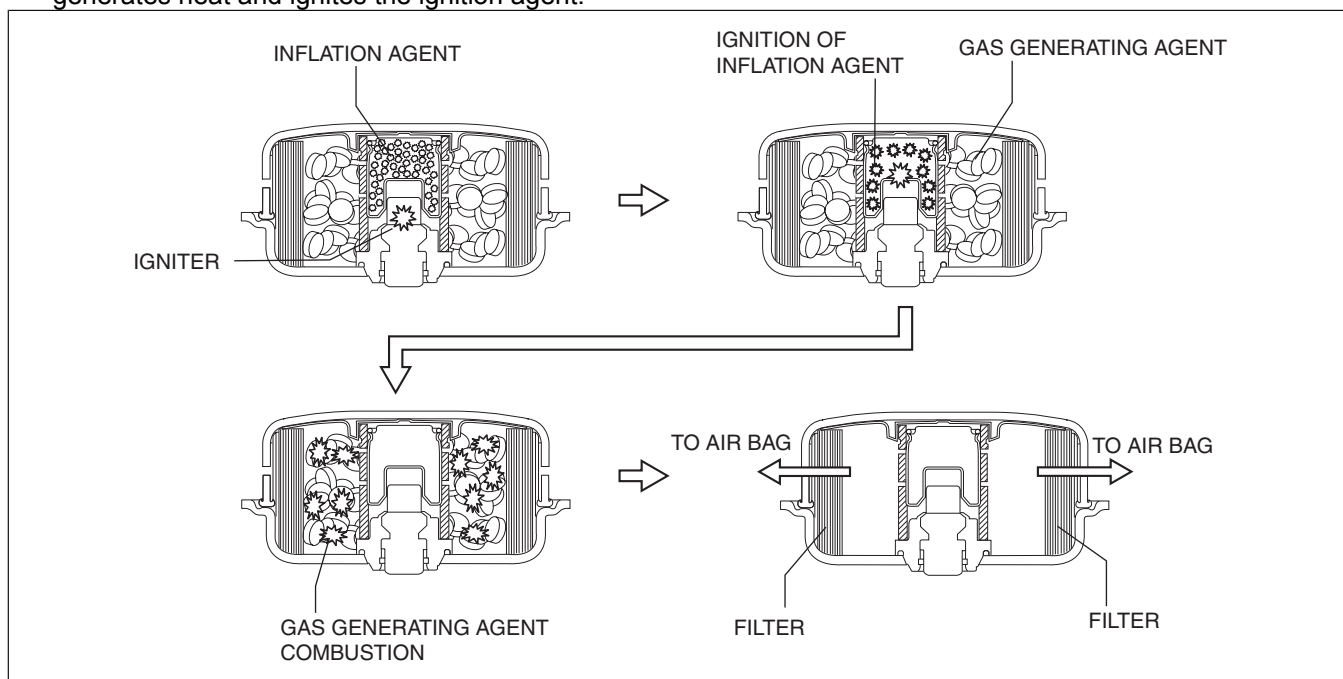
Construction

- The driver-side air bag module is installed to the center area of the steering wheel.

Operation

Inflator operation

- The driver-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 igniter built into the inflator generates heat and ignites the ignition agent.



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- The ignition of the ignition agent causes the combustion of a gas generating agent which forms nitrogen gas.
- The nitrogen gas is cooled at the filter and the filtrate is injected into the air bag.

Fail-safe

- Function not equipped.