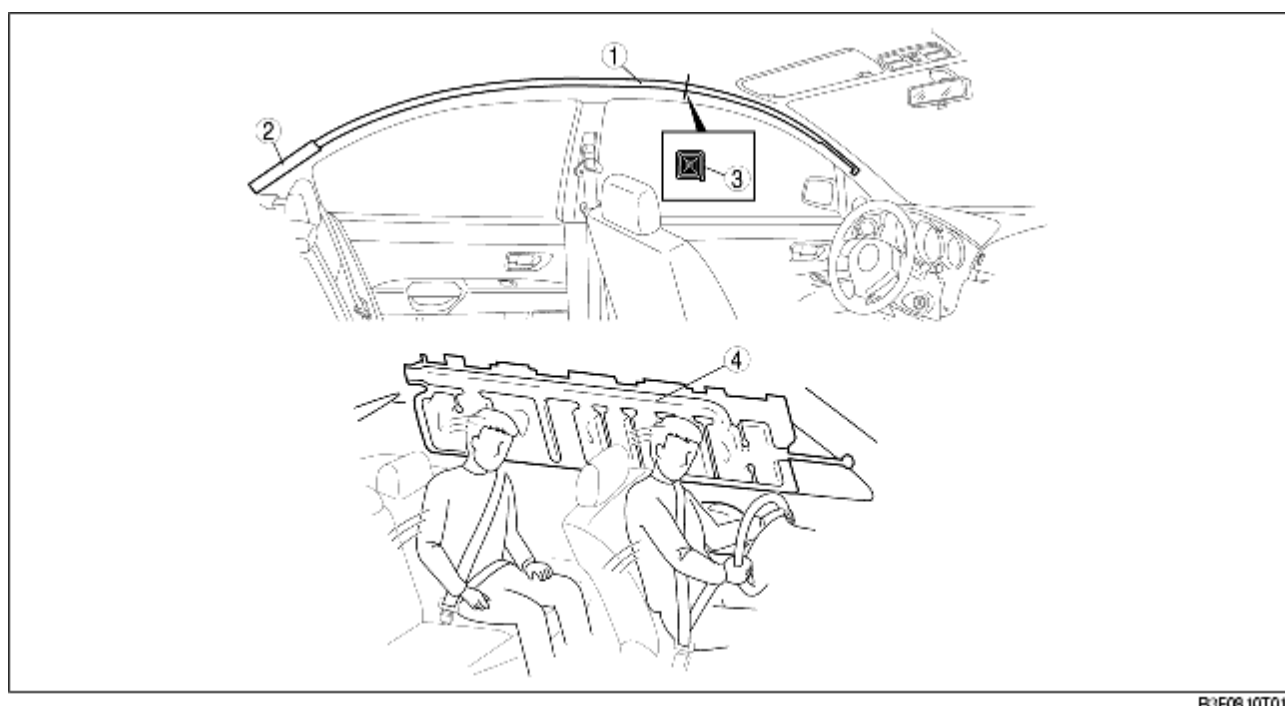


CURTAIN AIR BAG MODULE CONSTRUCTION/OPERATION

B3E081000171T02

Construction

- The curtain air bag modules are equipped along the roof edge between the A and B pillars.
- The curtain air bag module is composed of the inflator, bag cover, and air bag.
- When the curtain air bag deploys, the A-pillar trim and headliner is spread apart by the combined gas generated from the inflator, inflating the air bag.



B3E08 10T011

1	Curtain air bag module
2	Inflator
3	Air bag cover
4	Air bag

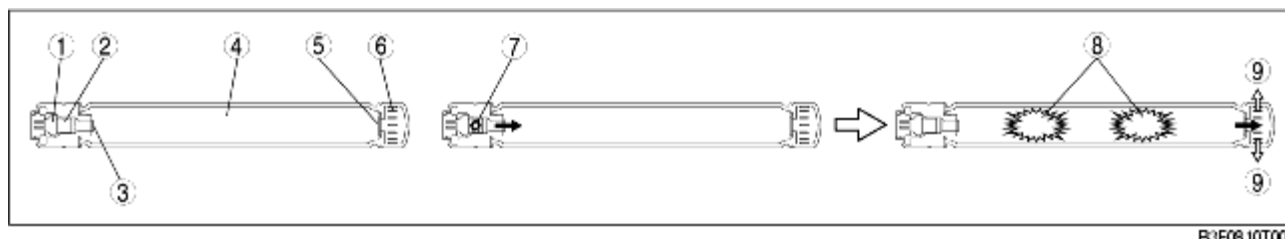
Operation

Air bag module deployment operation

- Refer to SAS CONTROL MODULE DESCRIPTION, Air Bag Module and Pre-tensioner Seat Belt Deployment Operation. (See [SAS CONTROL MODULE CONSTRUCTION/OPERATION](#).)

Inflator operation

1. When an operation (deployment) signal is received from the SAS control module, the igniter builds up heat and ignites the inflammation agent.
2. Combustion gas is formed from the ignition of the inflammation agent and the sealing disc breaks due to the gas pressure.
3. When the sealing disc is broken, the combined gas (nitrous oxide, argon and helium gases) stored inside the chamber expands and ruptures the burst disc.
4. The expanded gas is injected into the air bag via the diffuser orifice.



B3E08 10T008

1	Igniter
2	Sealing disc
3	Inflammation agent
4	Combined gas
5	Burst disc
6	Diffuser
7	Inflammation agent spark
8	Mixed gas expansion
9	To air bag