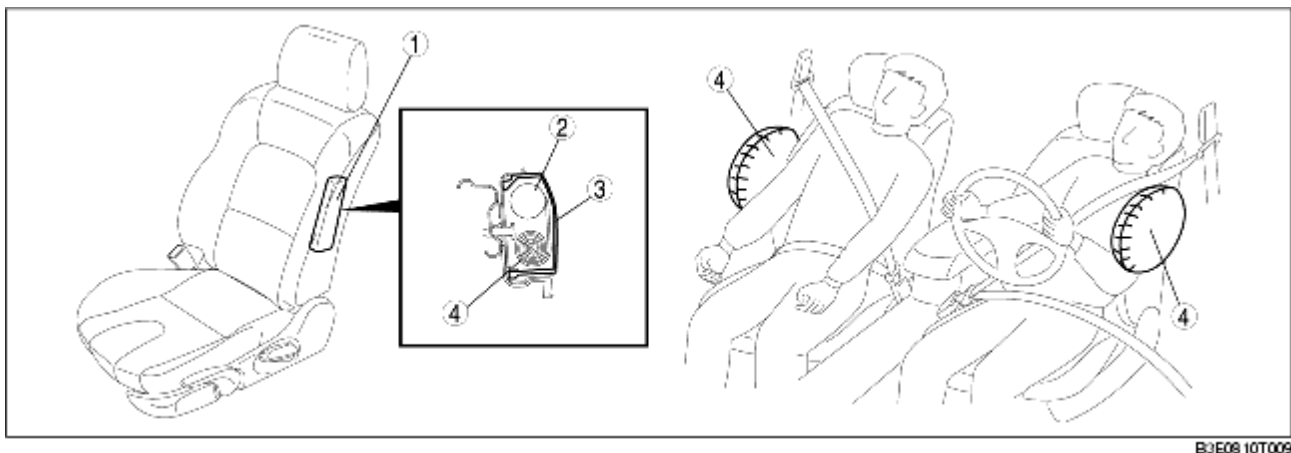


SIDE AIR BAG MODULE CONSTRUCTION/OPERATION

B3E081000147T02

Construction

- Side air bag modules are installed on the outboard sides of the front seat backs.
- The side air bag module is composed of an inflator, module cover, and air bag.
- When an air bag deploys, the side air bag module cover is spread apart by the generation of argon gas from the inflator, inflating the air bag.



1	Side air bag module
2	Inflator
3	Module cover
4	Air bag

Operation

Air bag module deployment operation

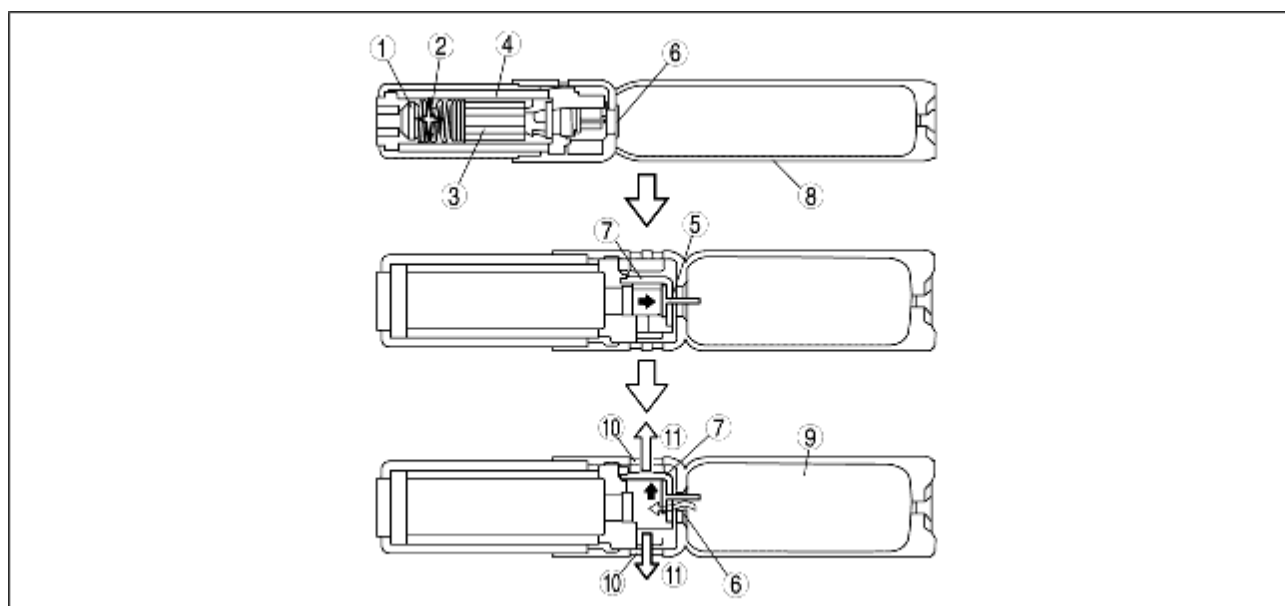
- Refer to the SAS CONTROL MODULE DESCRIPTION, Air Bag Module and Pre-tensioner Front Buckle Deployment Operation. (See [SAS CONTROL MODULE CONSTRUCTION/OPERATION](#).)

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. The ignition of the inflammation agent causes the combustion of a gas agent which forms nitrogen gas. At the same time, the nail is shifted due to the pressure formed by the lead box, releasing the shelf lock.
3. When the lock is released, the shelf moves in the direction shown by the arrow, penetrating the break washer.

4. When the break washer is penetrated, the combined gas (argon and helium gases) stored in the pressure bezel and the combusted gas are mixed together.

5. The gas mixture is injected into the air bag via the inner tube.



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1	Igniter
2	Inflammation agent spark
3	Gas formation agent
4	Lead box
5	Nail
6	Break washer
7	Shelf
8	Pressure bezel
9	Combined gas
10	Inner tube
11	To air bag