FRONT SEAT

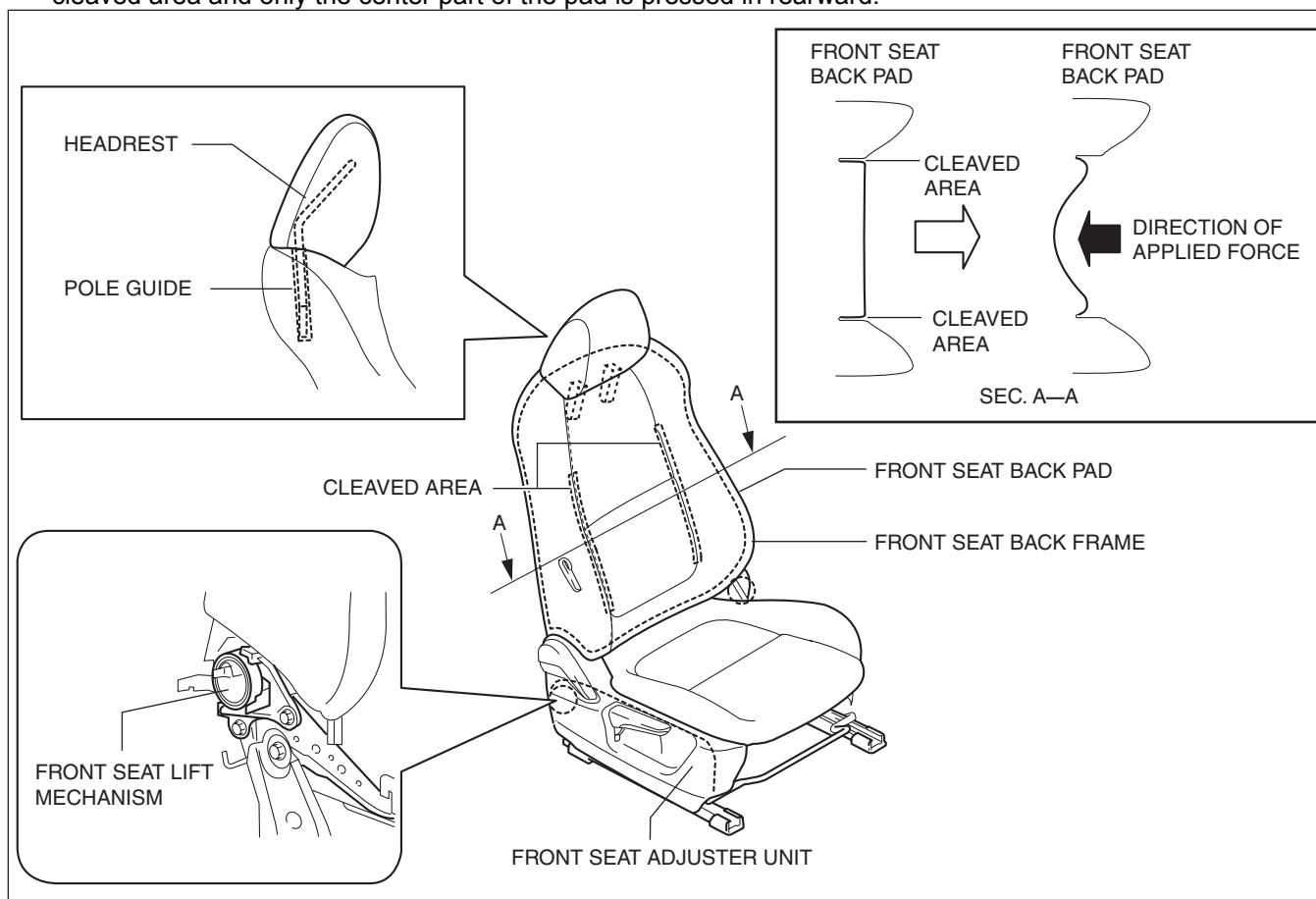### Purpose, Function
- The front seats are structured to reduce impact force applied to the head of the occupant in a vehicle collision.
- 8 way power seats have been adopted on the driver's seat. (with power seat system) (See POWER SEAT SYSTEM.)
- A seat warmer system has been adopted on the front seat backs and front seat cushion. (With seat warmer system) (See SEAT WARMER SYSTEM.)
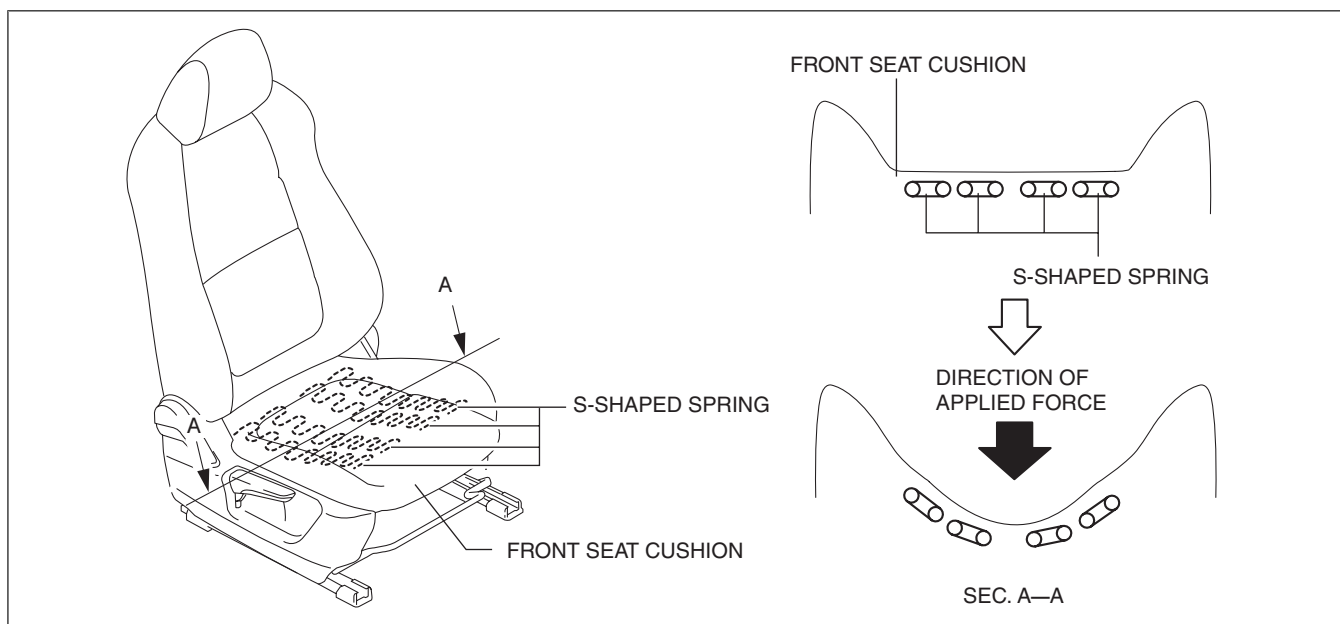
Construction
- The front seats reduce impact force applied to the head of the occupant in a vehicle collision by improving the rigidity of the pole guides and setting the headrest so that it tilts to the vehicle front.
- The front seat adjuster unit has improved rigidity by locating the front seat lift mechanism to the area around the connection part on both sides of the front seat back and the front seat cushion, and the backward lean of the front seat back when the occupant's body is pushed backward in a vehicle collision is controlled.
- If the occupant's body is pushed backward in a vehicle collision, the front seat back pad separates from the cleaved area and only the center part of the pad is pressed in rearward.

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- The front seat cushion is built into the S-shaped springs to absorb the impact when the occupant's body is pushed backward.
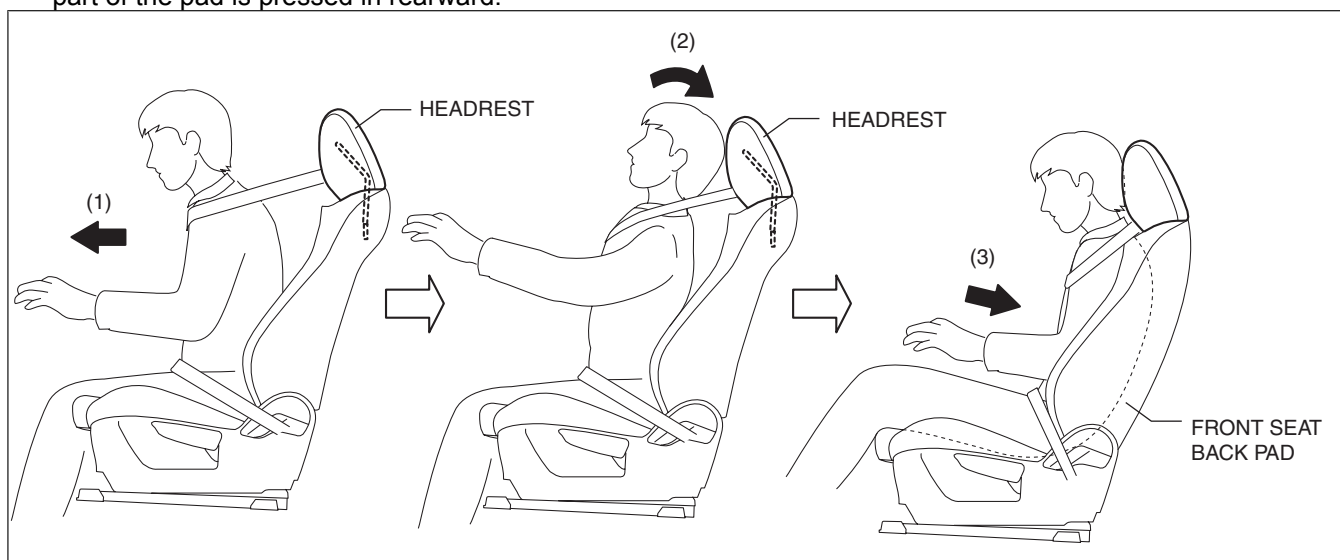
FRONT SEAT CUSHION

S-SHAPED SPRING

DIRECTION OF APPLIED FORCE

SEC. A—A

S-SHAPED SPRING

FRONT SEAT CUSHION

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Operation
Operation (deployment) during a collision
1. During a collision, the occupant moves to the vehicle front, is restrained, and the head and body of the occupant are returned back to the front seat side in reaction to that.
2. When the head and body of the occupant are returned back, the front seat absorbs the return of the head by the headrest and pole guides to reduce impact force applied to the head of the occupant.
3. When the body of the occupant is returned back to the front seat back after absorbing the return of the head by the head restraint and pole guides, the front seat back pad separates from the cleaved area and only the center part of the pad is pressed in rearward.

HEADREST

HEADREST

FRONT SEAT BACK PAD

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Fail-safe
• Function not equipped.