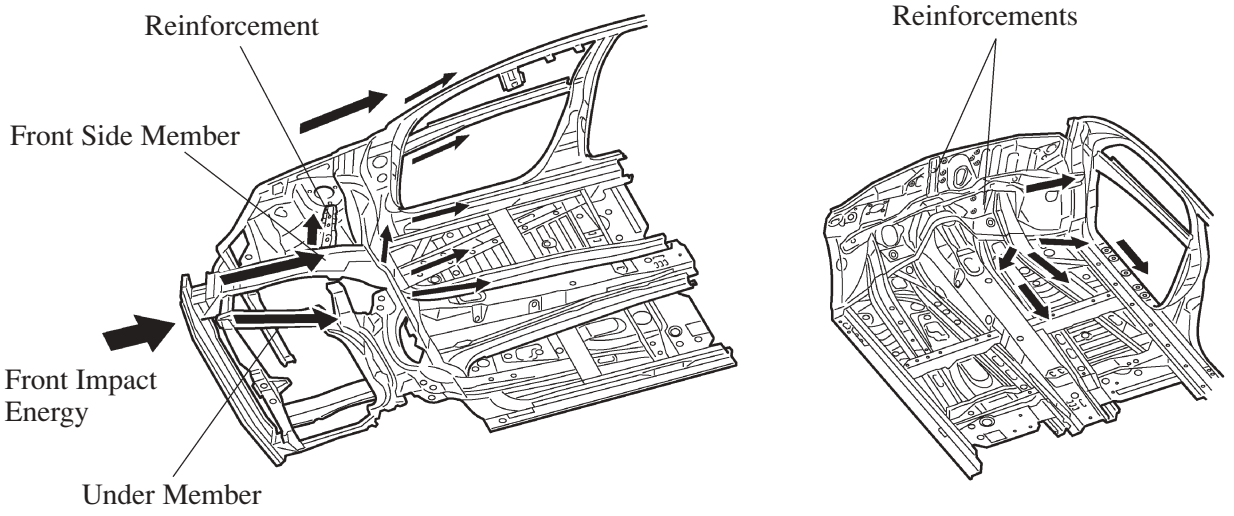
■SAFETY FEATURES

1. General

The impact absorbing structure of the new model can effectively help reduce the impact in the event of a front or side collision. This structure also realizes high-performance occupant protection through the use of reinforcement and member that help minimize cabin deformation.

2. Impact Absorbing Structure for Front Collision

- To help minimize the deformation of the cabin in case of a collision, the following reinforcements effectively dissipate the energy of the impact applied to the front of the vehicle: the front bumper reinforcements, under-floor reinforcements, dash panel reinforcements, floor tunnel reinforcements, rockers, front pillars, and door inner reinforcements.
- A member has been provided at the side of the under member and the floor tunnel, in order to achieve a construction that effectively dissipates the load.
- A cross member has been provided at the dash panel and joined to the side member, and a reinforcement has been provided at the front suspension tower, in order to help reduce the deformation of the rear end of the front side member and help ensure its rigidity.

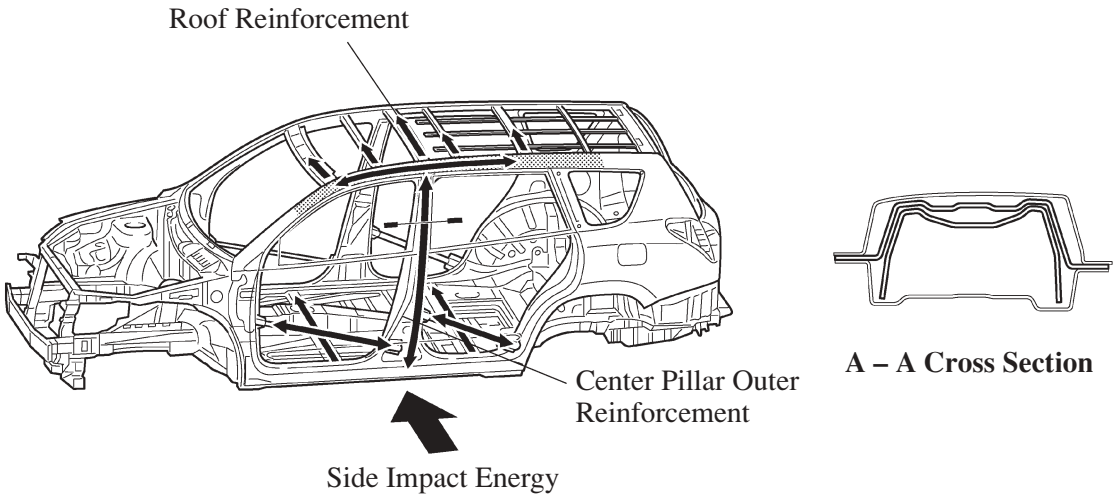


Front Body

01NBO07Y

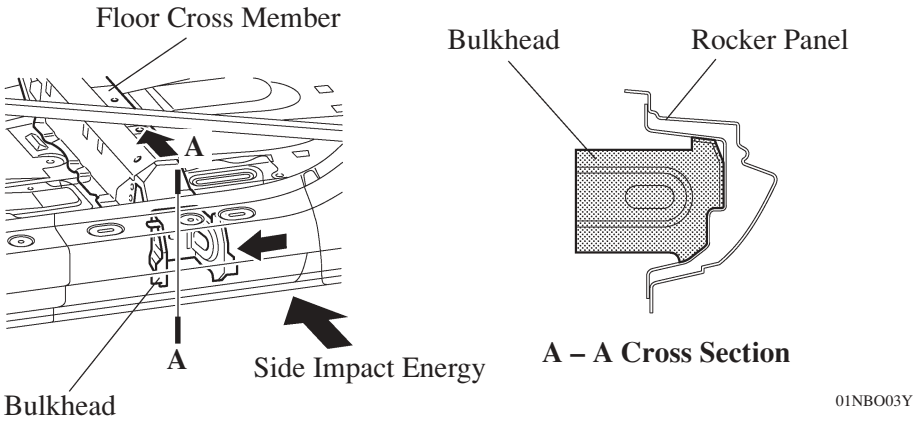
3. Impact Absorbing Structure for Side Collision

- Reinforcements using high strength sheet steel have been optimally located at the center pillar and the roof to help ensure the rigidity of the body.



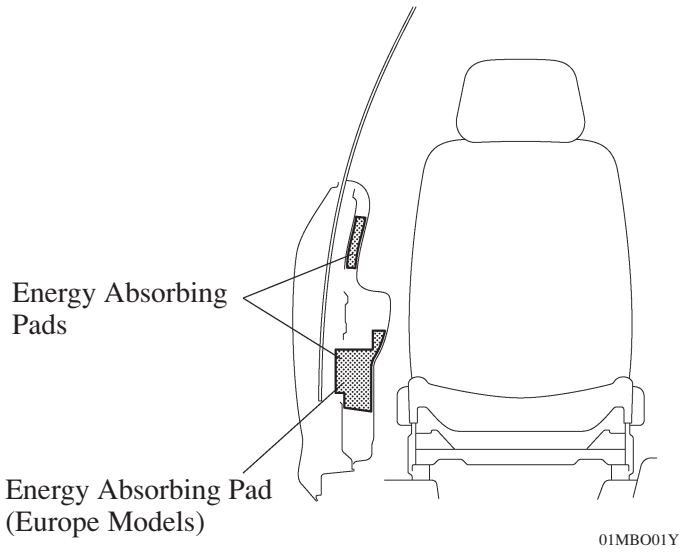
Long Body Model 01NBO08Y

- A bulkhead has been provided at the rocker to achieve a construction that effectively transmits the side impact energy to the floor cross member.



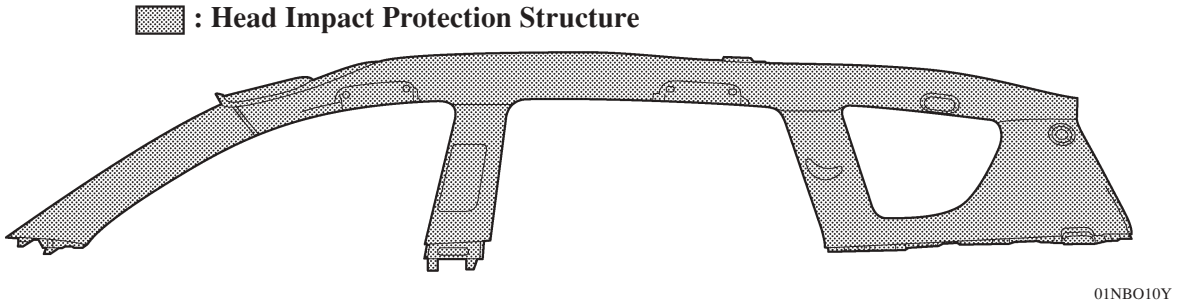
01NBO03Y

- Energy absorbing pads have been provided inside the door trim to help dampen the impact to the occupant during a side collision.



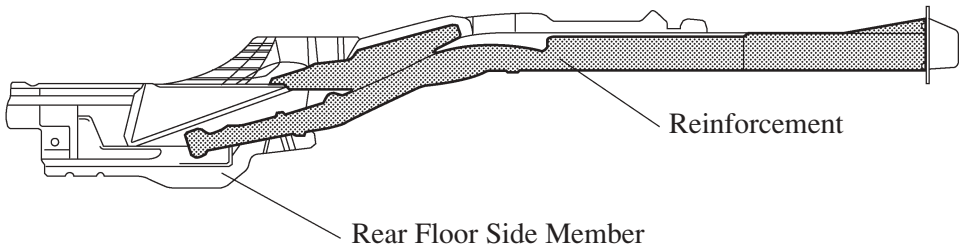
- A head impact protection structure is used. With this type of construction, if the occupant's head hits against the roof side rail and pillar in reaction to a collision, the inner panel of the roof side rail and pillar collapses to help reduce the impact.

▶ Head Impact Protection Structure ◀



4. Impact Absorbing Structure for Rear Collision

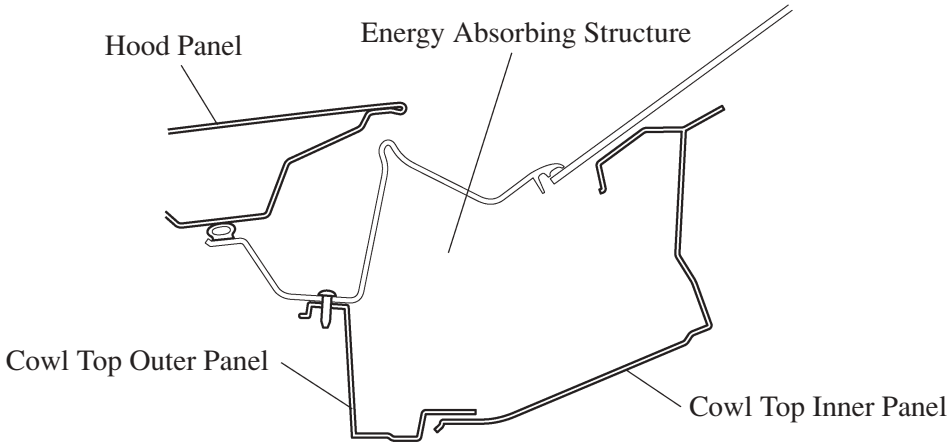
To control the deformation of the body during a rear-end collision, a reinforcement has been optimally located at the rear floor side member.



01NBO11Y

5. Lessening Pedestrian Injury

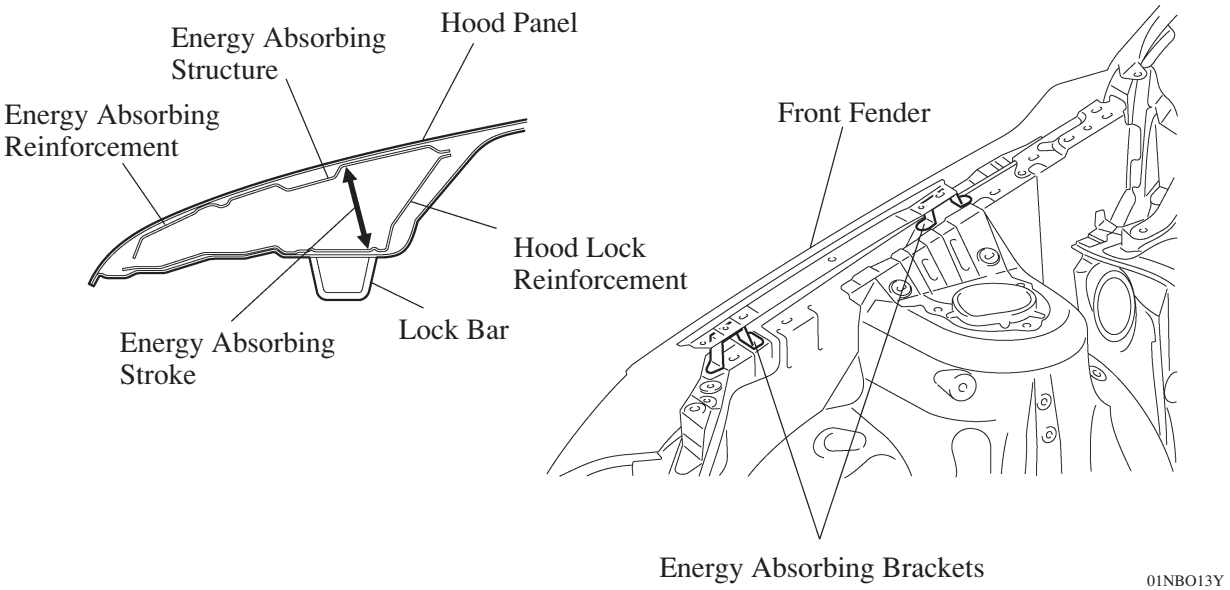
The cowl has an energy absorbing structure to help dampen the impact energy from above and help ensure pedestrian injury lessening performance.



01NBO12Y

Lessening Pedestrian Head Injury

- An energy absorbing structure has been provided around the hood lock to help lessen the injury to the heads of the pedestrians.
- Energy absorbing brackets are used at the area where the front fender is mounted to help lessen the injury to the heads of the pedestrians.



Lessening Pedestrian Leg Injury

- A space for protecting the legs of the pedestrian has been provided between the front bumper and the front bumper reinforcement.
- On the models for Europe and Australia, an absorber has been provided below the radiator support to help lessen the impact energy to the legs of the pedestrians.

