BODY

BODY STRUCTURE

■LIGHTWEIGHT AND HIGH RIGID BODY

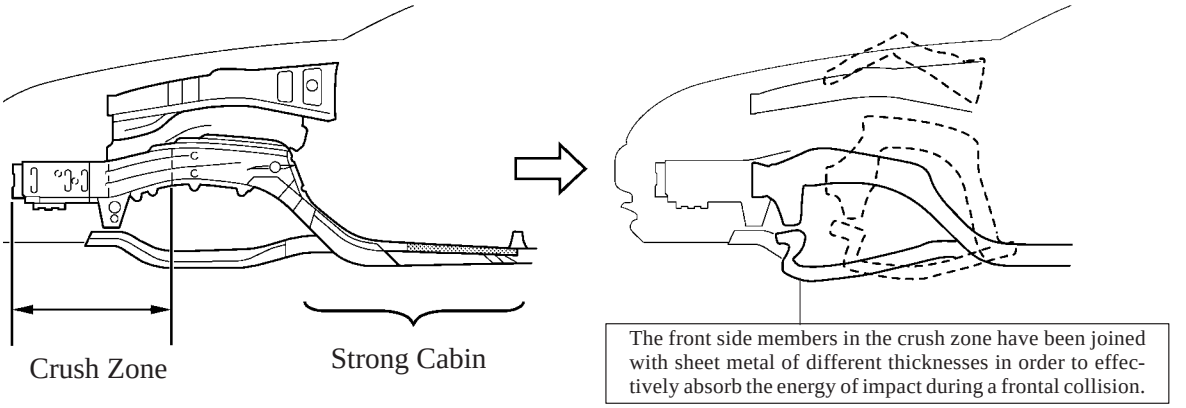
High strength sheet steel has been used in order to ensure body rigidity and realize a lightweight body.

■SAFETY FEATURE

1. Impact Absorbing Structure

General

The impact absorbing body structure of the new Camry can effectively help absorb the energy of impact in the event of a frontal or side collision. This structure also realizes high-performance occupant protection through the use of reinforcements and members that help to minimize cabin deformation.

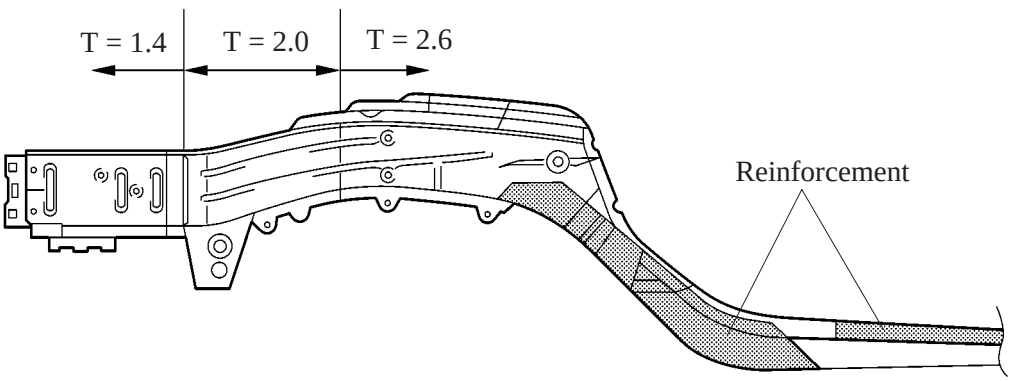


208BO01

Construction

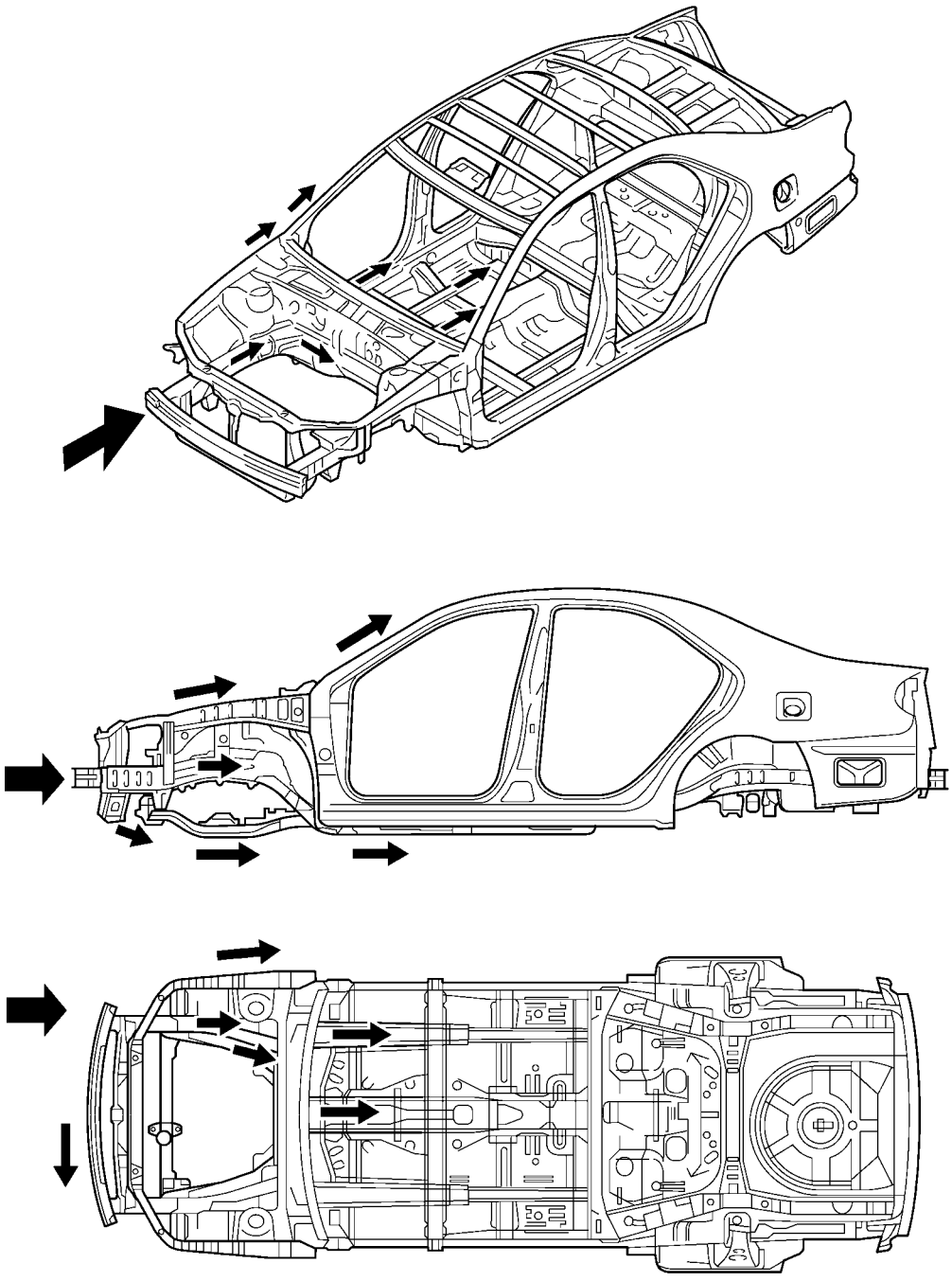
1) Impact Absorbing Structure for Frontal Collision

- The front side members in the crush zone have been joined with sheet metal of different thicknesses in order to effectively absorb the energy of impact during a frontal collision.
- The front side members in the cabin have been provided with reinforcements in order to restrain the deformation of the cabin.



208BO02

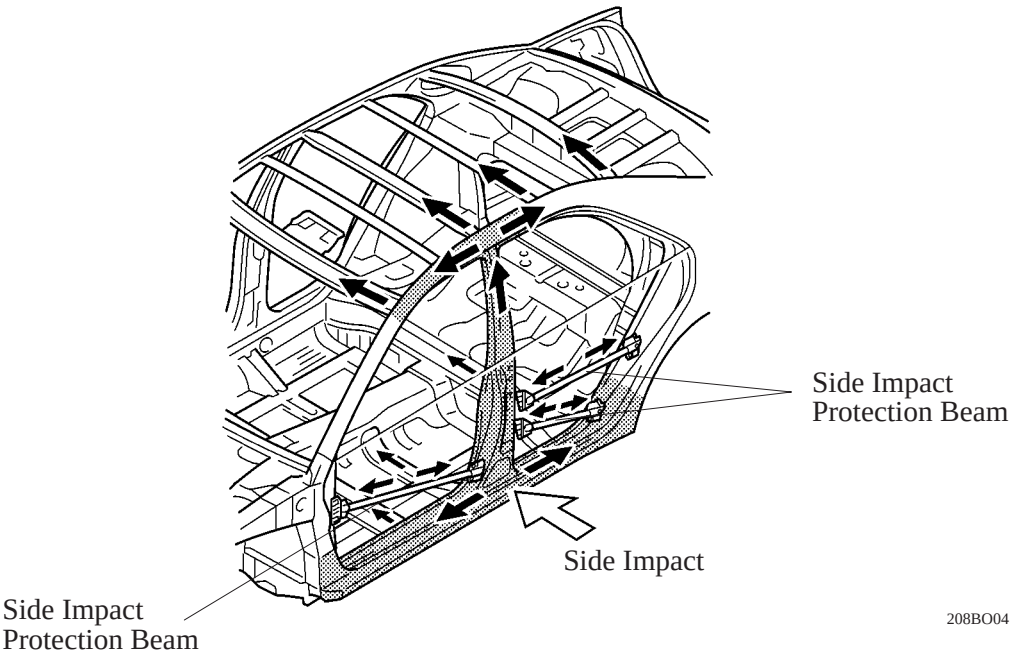
▶ Frontal Collision Load Distribution Diagram ◀



208BO03

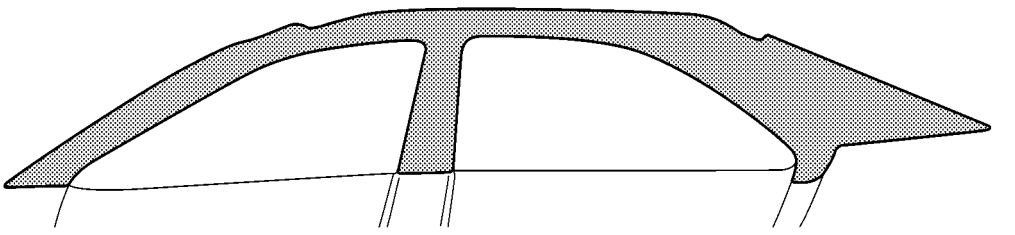
2) Impact Absorbing Structure for Side Collision

- Impact energy of a side collision directed to the cabin area is dispersed throughout the body via pillar reinforcements, side impact protection beams, floor cross members, thus helping minimize the impact energy finally directed to the cabin.

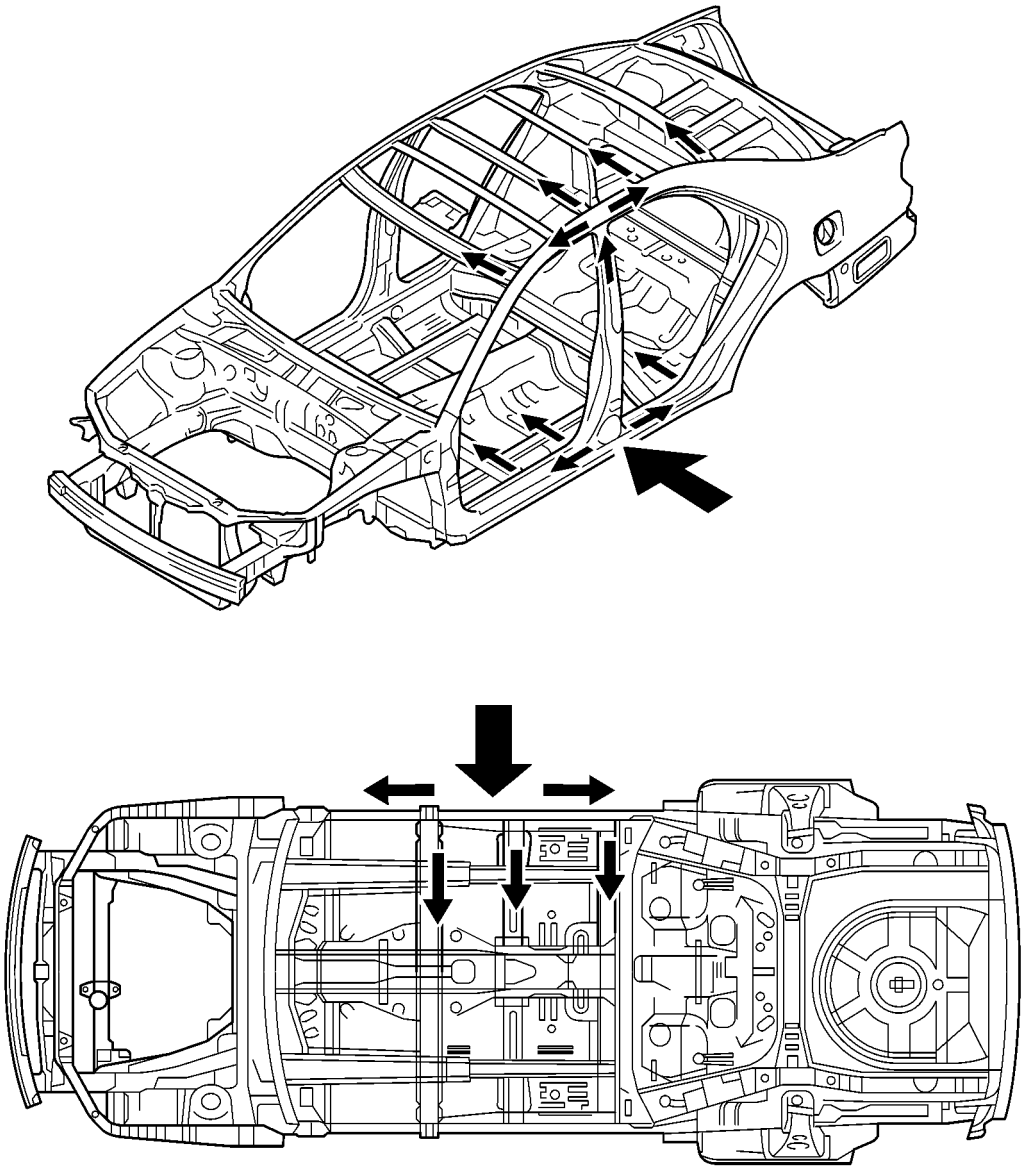


- A Head Impact Protection Structure has bee adopted. With this type of construction, if the occupant's head hits against the roof side rail and pillar in reaction to a collision, the inner panel of the roof side rail and pillar collapses to help reduce the impact.

: Head Impact Protection Structure



▶ Side Collision Load Distribution Diagram ◀



208BO05