

## ■ IMPACT ABSORBING STRUCTURE

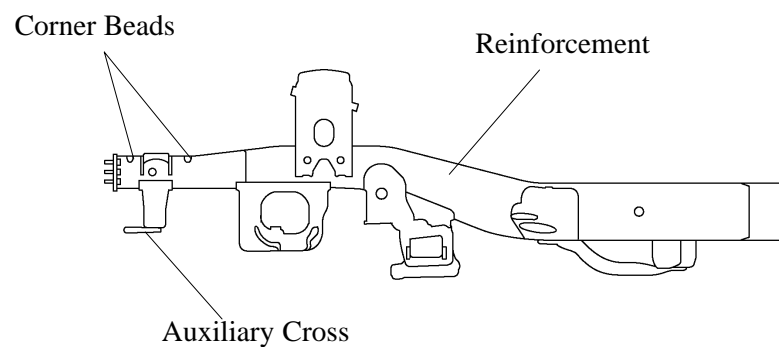
### 1. General

- The impact absorbing structure of the '03 4Runner provides a body and frame construction that can effectively absorb the energy of impact in the event of a collision.
- Also, an excellent occupant protection performance has been realized by adopting a frame construction that effectively absorbs and disperses the impact energy, and a strong body construction has been made possible through the use of the optimally allocated frame materials around the cabin.

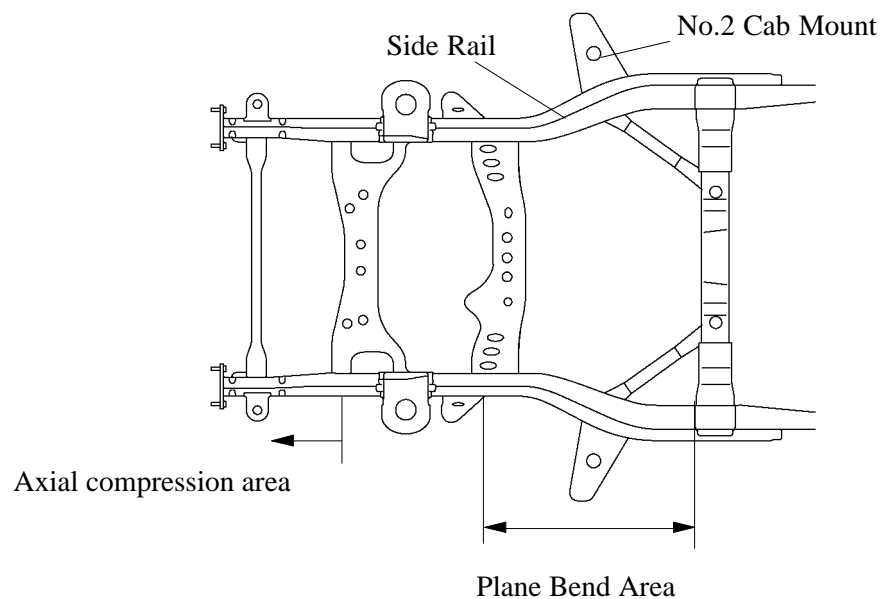
### 2. Construction

#### Impact Absorbing Structure for Front Collision

- This frame has achieved an ample yield strength difference by providing corner beads in the axial compression area and reinforcement in the plane bending area. The proper impact absorption performance is ensured by controlling the deformation mode in this manner.
- A large No. 2 cab mount bracket is used. During a collision, the wheel comes in contact with the cab mount bracket, thus dissipating the impact of the collision.
- An auxiliary cross has been added so that in case of a collision with a passenger vehicle, both vehicles can efficiently absorb the impact, thus realizing better occupant protection



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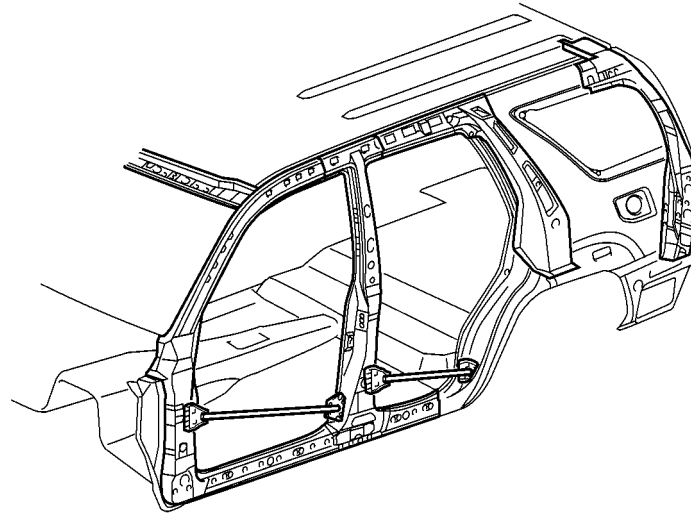


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**Impact Absorbing Structure for Side Collision**

- 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, etc. This dispersion of energy keeps the energy directed to the cabin to a minimum level. As a result, the deformation of the cabin is minimized.

► **Impact Absorbing Structure for Side Collision** ◀

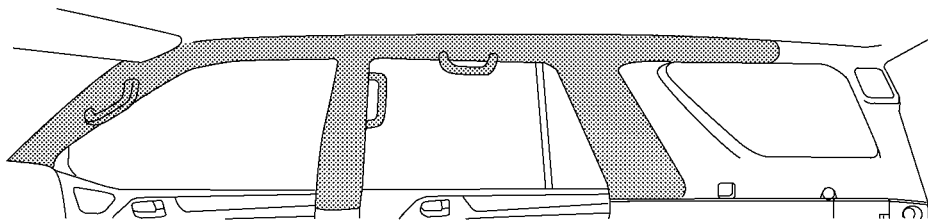


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- A Head Impact Protection Structure has been adopted. With this type of construction, if the occupant's head hits against the roof side rail and pillar in reaction to a collision, the inner ribs of the roof side rail and pillars collapse to help reduce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

► **Head Impact Protection Structure** ◀

 : **Head Impact Protection Structure**



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