

All New Architecture

LIGHTWEIGHT



RIGIDITY



RIDE & HANDLING



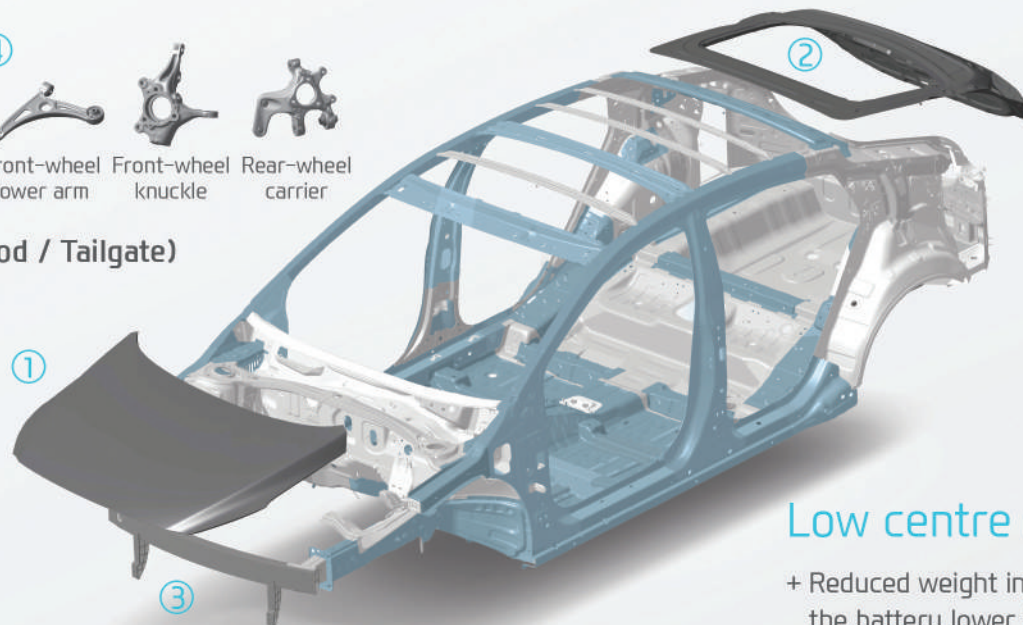
Lightweight aluminum to enhance fuel efficiency

- + Hood ①
- + Tailgate ②
- + Front / Rear back beam ③
- + Front-wheel / Rear wheel suspension parts ④



Effects of applying aluminum (Hood / Tailgate)

Weight 12.6kg ↓ (45% reduction compared to steel)



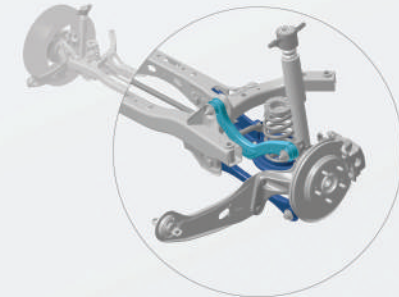
Applied 53% of AHSS (over 60Kgf) for a strong body to secure crash safety

■ AHSS (over 60Kgf)

- + Structure optimization to absorb energy and minimize cabin distortion in case of head-on collision
- + Advanced and highly strengthened major weight distribution points for a small overlap and passenger safety in case of side collision (increased application of hot-stamping)
- + Structural adhesives (approx. 145m) applied to strengthen cohesiveness among body parts

Rear-wheel multi-link suspension

- + Applied dual lower arm type multi-link suspension
- + Provides stable ride and grip force during quick turns and in adverse road conditions



Low centre of gravity

- + Reduced weight in the upper part of the car, and moved the battery lower for a low center of gravity (CGH: 535mm)
- + Source of highly responsive and stable cornering

