

Integrated Body Structure Component: Rear Frame

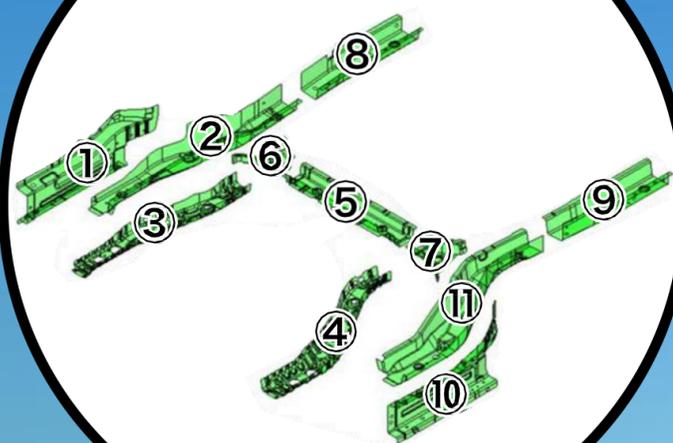
- Mass Production
- Prototype
- Development

Body

Product Features

· By using hot stamping to integrally form body structure components previously composed of multiple parts, we contribute to both lightweighting and cost reduction.

Conventional Structure (11 Parts)



Integrated Structure (1 Part)



Product Technology



Infrared Differential Heating Technology
(1.0 GPa equivalent)
Lightweighting Cost down
Patent No. 6664556

Spot Welded Blanks
Cost down
Patent Pending

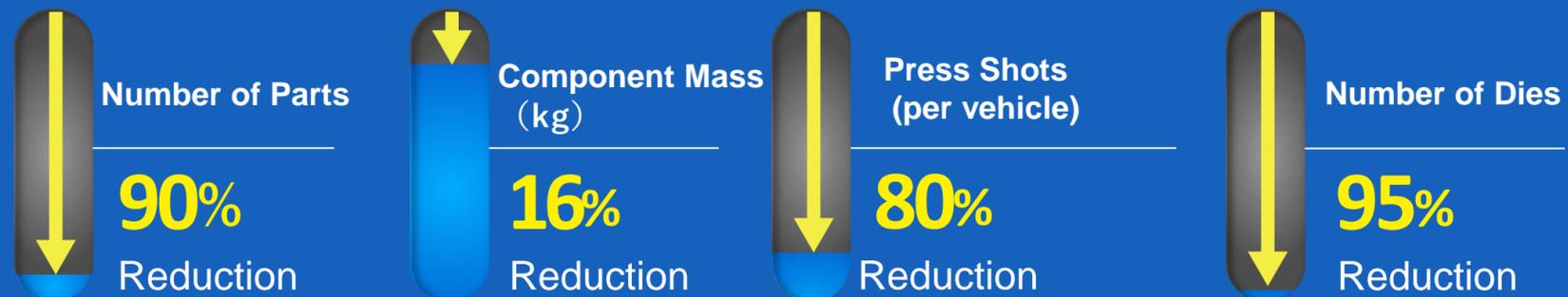
Patchwork Forming Technology
Cost down

Future Opportunities for Further Lightweighting

- Application of HOT 2.0 GPa Material
- Application of TWB Material

Effects of Component Integration

※Note: These results are not guaranteed for all cases.



Pressing Toward a Brighter Tomorrow