

# Application of Small-Pitch Spot Welding to Body Structures (High Strength & High Stiffness)

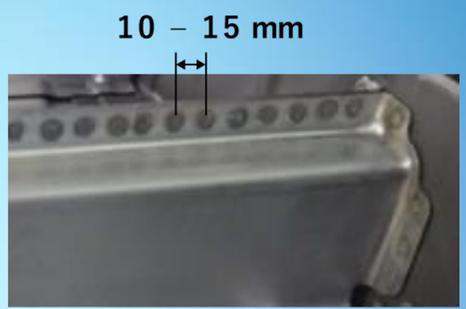
- Mass Production
- Prototype
- Development

Body

## Product Features

- Lightweight body structure components that achieve high strength, high stiffness, and high durability by applying small-pitch spot welding technology.

Small-Pitch Spot: 10 – 15 mm pitch  
Conventional Spot: 25 – 30 mm pitch



## Application Example (Front Side Member)

High Strength

Increases initial reaction force and improves EA (Axial crush performance of the Side Member is improved by **10% – 15%.**)

High Stiffness

Improves vehicle body torsional stiffness.

High Durability

Enhances durability by reducing the load per individual spot weld.

This technology can be applied to various body structure parts and opening structures where high strength, high stiffness, and high durability are required.



Pressing Toward a Brighter Tomorrow