

Cost vs. Safety ?

Suspension and steering components play a key role in a vehicle's ride characteristics and its ability to properly execute driver’s inputs.

As technology evolves, chassis design becomes increasingly advanced and demanding. While the manufacturing process for each component is complex, the difference in quality is actually more apparent than one might think.

The Fundamentals: WEIGHT, DIMENSIONS, DESIGN

Modern steering components are typically forged in carbonized steel with specific dimensions and design, engineered to withstand cornering load and stress in all driving conditions.

Less structural weight means the manufacturer has made unproven changes to the original design or material specifications. **Reducing cost at the expense of strength and safety.** Under intense driving condition, these compromises can lead to premature failure and serious consequences.



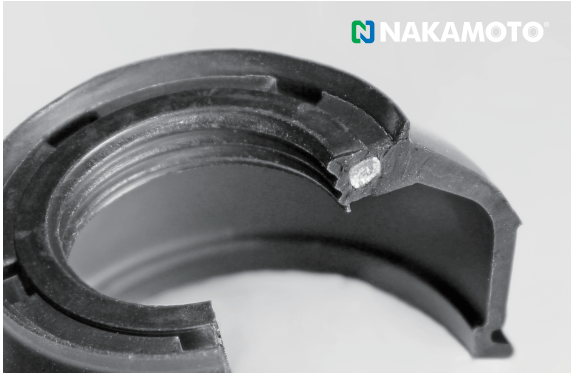
Fully threaded tie rod ends as per original design and specifications, providing the necessary support and stability during cornering and steering maneuvers.

Small Detail Matters: Dust Boot and Castle Nut

Corrosion and wear are the main determining factors when it comes to durability for all suspension components. NAKAMOTO uses application specific* ball joint boots that offer superior rust protection. Our boots are made from premium CR rubber designed to withstand all weather conditions. It also features an "oil seal" like design with integrated metal clips, engineered to offer maximum rust protection. Maximizing the service life of your suspension and steering components.

Universal dust boot uses external metal clamps to secure the boots. While this is cost effective, the metal bands can wear out or extend easily over time. Losing its ability to keep moisture from contaminating the lubrication designed to protect the ball stud.

* When applicable depending on the original design.



The castle nut is the sole component responsible for securing the ball joint to the steering knuckle. Essential yet often overlooked, its performance is critical in keeping the entire steering system intact. NAKAMOTO uses heavy duty graded bolts and nuts to make sure that no compromises are made when it comes to safety.

