



Choice Collision Center Discusses Aluminum and Steel Repair Techniques

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Choice Collision Center is discussing aluminum and steel repair techniques as vehicle manufacturers continue introducing advanced materials that require specialized repair procedures, equipment, and technician training following a collision.

According to the company, modern vehicles are built using a combination of high-strength steel, ultra-high-strength steel, aluminum, and other lightweight materials that help improve safety, fuel efficiency, and overall vehicle performance. These materials have significantly changed the way collision repairs are performed, requiring repair facilities to adapt to evolving manufacturer recommendations and repair technologies.

Choice Collision Center explains that repairing aluminum and steel vehicles involves more than replacing damaged body panels. Each material has unique structural properties and repair requirements, making proper identification and repair planning an essential part of the restoration process.

"Vehicle construction has changed dramatically over the past several years," said a representative of Choice Collision Center. "Understanding how different materials respond to collision damage allows our technicians to select repair methods that align with manufacturer recommendations and the specific needs of each vehicle."

The company notes that steel continues to be one of the most widely used materials in vehicle manufacturing because of its strength, durability, and ability to absorb collision forces. However, manufacturers increasingly combine multiple grades of steel with aluminum components to reduce vehicle weight while maintaining structural integrity. As a result, technicians frequently encounter vehicles constructed from several different materials within the same repair.

According to Choice Collision Center, aluminum requires repair techniques that differ from those used for conventional steel. Because aluminum responds differently during straightening, welding, and panel repair procedures, technicians use specialized equipment and dedicated work areas designed to help prevent cross-contamination between aluminum and steel materials. Maintaining separation between repair processes supports repair quality while helping preserve the properties of each material.

The company explains that accurate repair planning begins with identifying the materials used throughout the damaged areas of the vehicle. Manufacturer repair information, structural documentation, and detailed inspections help technicians determine whether components should be repaired or replaced and which procedures are appropriate based on the vehicle's engineering.

Repair planning has become increasingly important as manufacturers continue introducing new material combinations and structural designs. According to Choice Collision Center, evaluating damage before repairs begin allows technicians to organize repair procedures, coordinate specialized equipment, and develop a restoration strategy that reflects the construction of the specific vehicle rather than relying on generalized repair methods.

Technician education also plays a significant role in modern aluminum and steel repairs. As manufacturers update repair procedures and introduce new vehicle platforms, collision repair professionals continue participating in ongoing training to remain familiar with changing repair recommendations and material technologies. Choice Collision Center believes continuous education helps technicians adapt to evolving repair requirements while maintaining consistent workmanship.

The company also notes that aluminum and steel repairs often involve collaboration among multiple members of the repair team. Estimators, body technicians, refinish specialists, quality-control personnel, and parts professionals work together throughout the repair process to coordinate repairs while following

manufacturer-informed procedures appropriate for each vehicle.

Customer education has become increasingly important as well. Many vehicle owners are unaware that newer vehicles may contain multiple structural materials requiring different repair methods. Choice Collision Center explains that discussing vehicle construction and repair planning helps customers better understand why certain repairs require specialized equipment, additional planning, or manufacturer-specific procedures before restoration begins.

As automotive engineering continues evolving, collision repair facilities must continue investing in equipment and operational improvements that support modern vehicle construction. Dedicated repair tools, structural measuring systems, specialized welding equipment, and updated repair technologies all contribute to repairing today's increasingly sophisticated vehicles.

Through its continued focus on aluminum and steel repair techniques, Choice Collision Center serves drivers throughout Fall River and surrounding southeastern Massachusetts communities with repair solutions designed to address the changing demands of modern vehicle construction. The company remains committed to combining technician education, specialized equipment, and manufacturer-informed repair procedures to help restore vehicles safely and professionally.

More information about aluminum and steel repair services is available through Choice Collision Center. Additional company updates and announcements are available through Choice Collision Centers on TikTok.

About Choice Collision Center

Choice Collision Center is a collision repair provider serving drivers throughout Rhode Island and southeastern Massachusetts. The company offers collision repair, auto body repair, aluminum and steel repairs, Tesla-certified collision repair, OEM-certified repairs, paint and refinishing, dent and scratch repair, glass replacement, wheel alignments, scans and calibrations, detailing, and related vehicle restoration services. Choice Collision Center emphasizes technician education, manufacturer-informed repair procedures, advanced repair technology, and customer communication throughout every stage of the repair process.

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For more information about Choice Collision Center, contact the company here: Choice Collision Center (Fall River) Steve Melo (401) 245-0213 information@choicecollisioncenters.com 645 Brayton Ave, Fall River, MA 02721

Choice Collision Center

Choice Collision Centers provides trusted collision repair in Fall River, MA. OEM-certified repairs, expert paint refinishing, genuine parts, and advanced equipment deliver safe, factory-quality results with transparent service and insurance support.

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