

CADILLAC CT6 INSURER OVERVIEW

March 2016



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THE 2016 CADILLAC CT6



The first-ever CT6 marks Cadillac's long-awaited return to the global prestige sedan segment. The entirely new, lightweight architecture gives drivers spirited performance and precision handling. Multiple high-tech safety features and state-of-the-art advancements take drivers to a higher threshold of involvement. The CT6 has classic long and low proportions that signal the return of the sophisticated luxury sedan.

CADILLAC CT6 – VEHICLE OVERVIEW

Cadillac CT6 Interior

Designers have delivered a bold, elegant and spacious interior expressed in curated environments and in surface sculptures featuring authentic materials and exquisite details like Cadillac's signature cut-and-sewn interiors. Extended comfort seats with five massage settings, plus an available UltraView® panoramic power sunroof spanning front and rear seats.



CADILLAC CT6 – VEHICLE OVERVIEW

Cadillac CT6 Interior

To further enhance both the driving and riding experiences, The Cadillac CT6 features available Quadzone climate control and Bose® Panaray® Sound System makes use of 34 strategically positioned speakers and Touchscreen with Touchpad.



CADILLAC CT6 – VEHICLE OVERVIEW

Cadillac CT6 Technology

In addition to being fun to drive, the Cadillac CT6 Sedan comes with multiple advanced features designed to keep customers connected while they enjoy they drive. The CT6 Sedan is packed with advanced, technology-supported safety features including:

OnStar™ 4G LTE Wi-Fi

Apple® CarPlay™

Wireless charging

Rear Camera Mirror

Rear Seat Infotainment



REAR SEAT
INFOTAINMENT

CADILLAC CT6 – VEHICLE OVERVIEW

Cadillac CT6 Technology

AVAILABLE ENHANCED NIGHT VISION

Improved sight and safety while driving at night is made possible with special infrared sensors that help identify people and large animals. The system can detect pedestrians and highlight them in yellow. If a large animal is detected, it will be highlighted and “animal caution” will be displayed.²

AVAILABLE SURROUND VISION

A 360-degree camera system projects a bird’s-eye view of the areas immediately around the CT6 onto the CUE[®] screen to help reduce blind spots. It helps when driving in and out of tight spots, and is automatically activated when in Reverse or on-demand when in Drive.

AVAILABLE SURROUND VISION RECORDER

To aid in security, the system automatically records from all cameras if a door handle is pulled or when the alarm is triggered. Plus, the Surround Vision Recorder actually records what it sees while the CT6 is being driven. Surround Vision Recorder is included with Surround Vision.



CADILLAC CT6 – VEHICLE OVERVIEW

Cadillac CT6 Performance

2.0L TURBO ENGINE

The 2.0L turbo engine is the base powertrain, but impressive power and efficiency features means its anything but standard. Its 295 lb.-ft. of torque is greater than standard engines in 5 Series, A6 and E-Class. Automatic stop/start technology and direct fuel injection helps this engine deliver an estimated 31 mpg on the freeway. The 2.0L turbo is available with rear-wheel drive only.

3.6L V6 ENGINE

The mid-level 3.6L V6 engine is expected to be the most popular CT6 engine and is paired exclusively with all-wheel drive. This new engine features 335 horsepower and combines Active Fuel Management with stop/start technology to conserve fuel.

3.0L V6 TWIN TURBO ENGINE

The available 3.0L V6 Twin Turbo stands out as the most powerful and most advanced CT6 engine. With 404 horsepower and 400 lb.-ft. of torque, the CT6 provides effortless acceleration while passing or expressway merging. This available power plant is the only six-cylinder engine to combine turbocharging with Active Fuel Management and stop/start technologies to conserve fuel. Two advanced, low-inertia turbochargers create a broad torque curve that is conveyed to the driver through a feeling of responsive, sustained power across the entire power band.

8-SPEED AUTOMATIC TRANSMISSION

This paddle-shift, eight-speed transmission improves off-the-line acceleration while providing better fuel economy. Smaller steps between gears, compared to a six-speed transmission, keep the engine within its optimal power range, making the most of its horsepower and torque to optimize performance and efficiency.



CADILLAC CT6 – VEHICLE OVERVIEW

Cadillac CT6 – Agility

Luxury means no compromise. CT6 offers an array of luxury features and a spacious cabin that will indulge luxury customers, but customers will also enjoy a real connection to the road with CT6's spirited performance and precision handling. This is the essence of CT6's innovative lightweight construction, which gives it the space of a larger vehicle with the driving dynamics and response of a smaller sedan.

Active Chassis System

To maintain a balanced, responsive ride, the available Active Chassis System monitors all four wheels independently to adjust the suspension at each wheel, as needed, within milliseconds. The system is enhanced with active-on demand all-wheel drive, seamless 4-wheel steering, Magnetic Ride Control™ and 3 performance driving modes—Tour, Sport, and Snow/Ice—which change the car's driving character to suit the driver's personal driving preference. The end result is unprecedented maneuverability and high-speed stability.



Active Rear Steering

At low speeds, available active rear steering automatically steers the rear wheels in the opposite direction of the front wheels to dramatically shorten the turning circle and make parking and slow-speed maneuvering through traffic much easier. At highway speeds, the rear wheels steer in the same direction to assist with smooth and stable lane changes and emergency maneuvers. Active Rear Steering improves handling in snow and ice conditions.

Magnetic Ride Control™

Reading and reacting to the road up to 1,000 times every second, available Magnetic Ride Control™ provides the precise amount of control for maximum performance and the smoothest ride in all conditions. Magnetic Ride Control offers unparalleled responsiveness and driver control.

CADILLAC CT6 – VEHICLE OVERVIEW

Cadillac CT6 – Agility

Active Chassis System

Taming the road has never been this easy. The available Active Chassis System in the CT6 monitors each wheel independently during your drive, adjusting vertical suspension every millisecond to maintain a smooth ride. Combined with responsive and efficient all-wheel drive, seamless 4-wheel steering, 3 performance driving modes and Magnetic Ride Control™, the CT6 delivers impressive maneuverability and performance.



All Wheel Drive

Expert handling in all conditions. The available All-Wheel Drive ensures powerful performance while remaining efficient. The all-new two-gear streamlined design is lightweight and eliminates intrusion into the passenger area. At the same time, it enhances launch performance and cornering ability, especially in wet weather.

CADILLAC CT6 – VEHICLE OVERVIEW

Cadillac CT6 – Agility

Fusion Frame and Joining Technology

Crafted to provide greater control, handling and stability, the core of the CT6's agile performance is an entirely new, lightweight vehicle architecture. Its innovative fusion technologies combine 13 high-pressure aluminum castings and high-strength steel into a single frame for quieter acoustics. Meanwhile, increased rigidity provides superb and precise handling.

CADILLAC CT6 MIXED-MATERIAL STRUCTURE



THE 2016 CADILLAC CT6 – VEHICLE MATERIAL



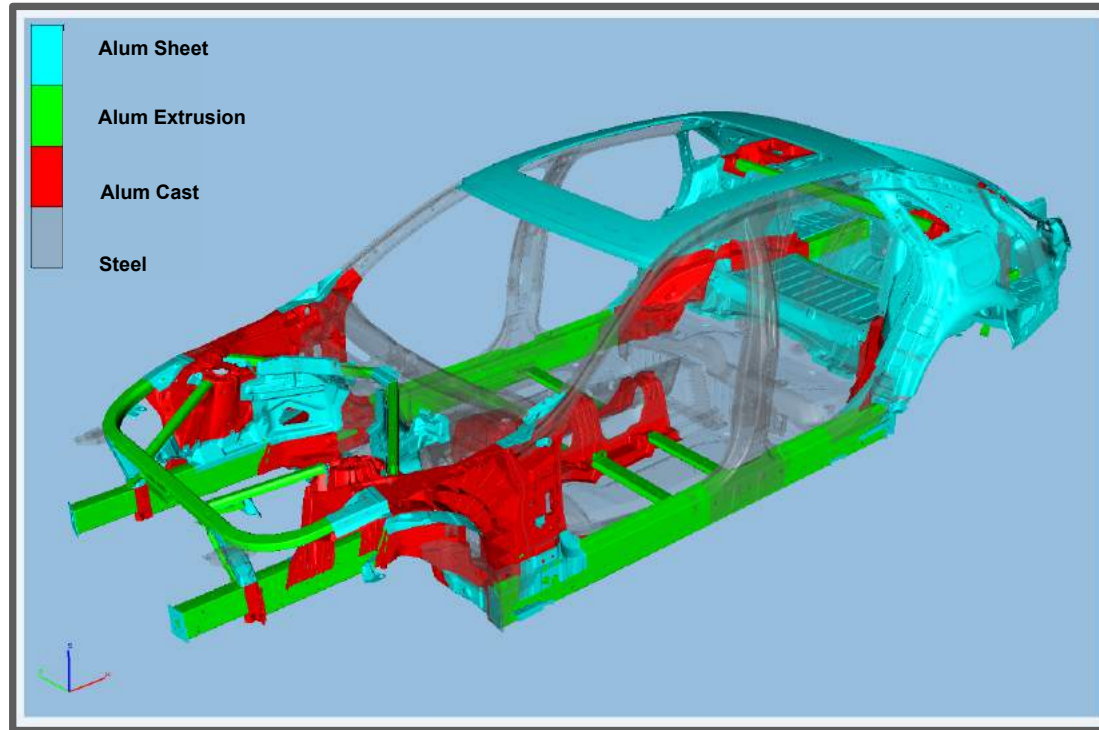
2016 CADILLAC CT6 – VEHICLE MATERIAL

The all new Cadillac CT6 is 218 pounds lighter than an equivalent steel vehicle because of the advanced manufacturing methods with mixed material structure:

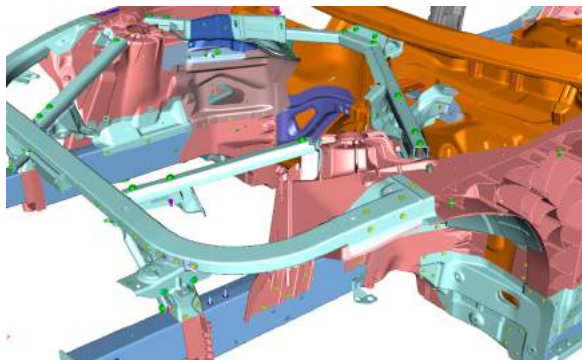
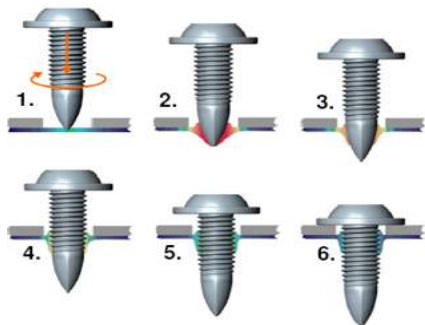
- All aluminum exterior body panels
- Self-pierce rivets
- Flow drill screws
- Laser welding
- Aluminum resistance spot welding
- Adhesive (591 linear feet)

The new architecture, advanced materials and unique joining methods used to create the CT6 will require the collision repair industry to prepare accordingly.

2016 CADILLAC CT6 – VEHICLE MATERIAL



2016 CADILLAC CT6 – VEHICLE MATERIAL



Torque FDS 5N.m

Tighten screw to achieve a fully driven, seated and not stripped fastener, ensure screw is fully seated.

Stripped FDS

Do not increase original FDS hole size, using Service FDS tighten screw to achieve a fully driven and fully seated.

New FDS Hole Size for Production and Service

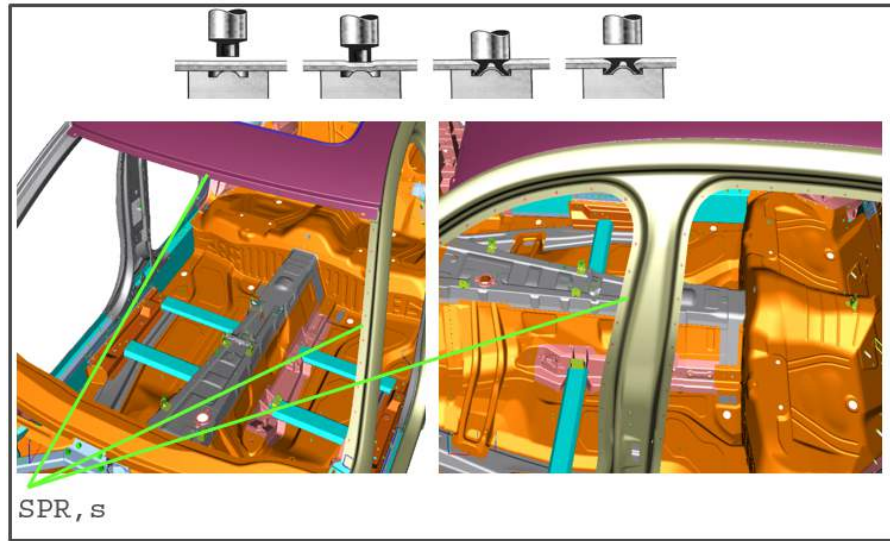
- Pilot hole for production FDS 4.0 mm
- Pilot hole for service FDS 5.4 mm
- Clearance hole for FDS 7.0 mm

2016 CADILLAC CT6 – VEHICLE MATERIAL

Production Self pierce rivets (SPR) - Service Replacement

Wielander+Schill Rivet tool w/CT6 accessory kit required

- Flow Form Rivets
- Countersunk Flow Form Rivets

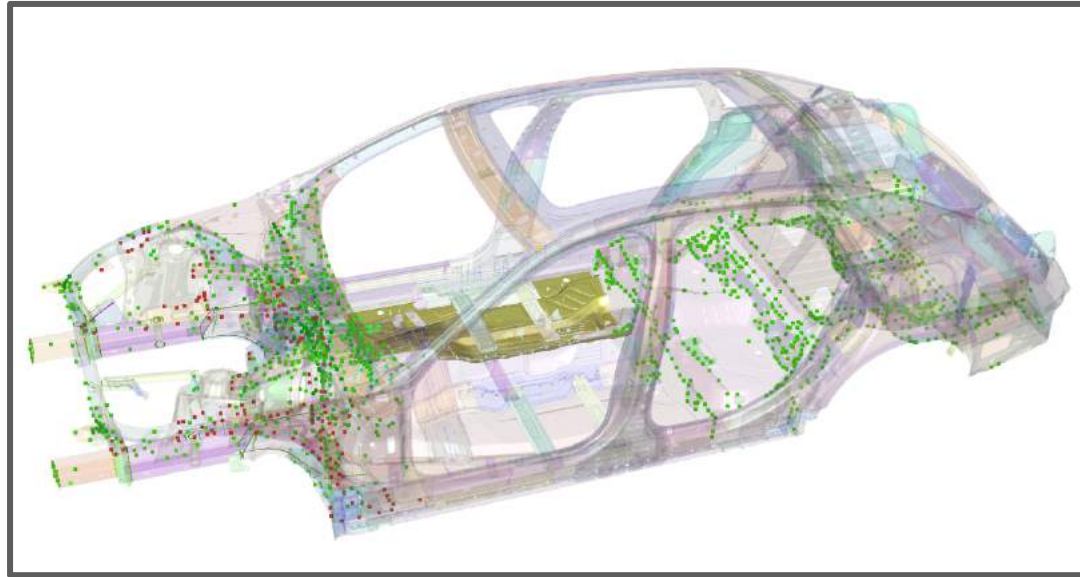


2016 CADILLAC CT6 – VEHICLE MATERIAL

Production Resistance Aluminum Welds

Service Replacement

- Structural Blind Rivets
- Flow Form Rivets
- Flow Drill Screws



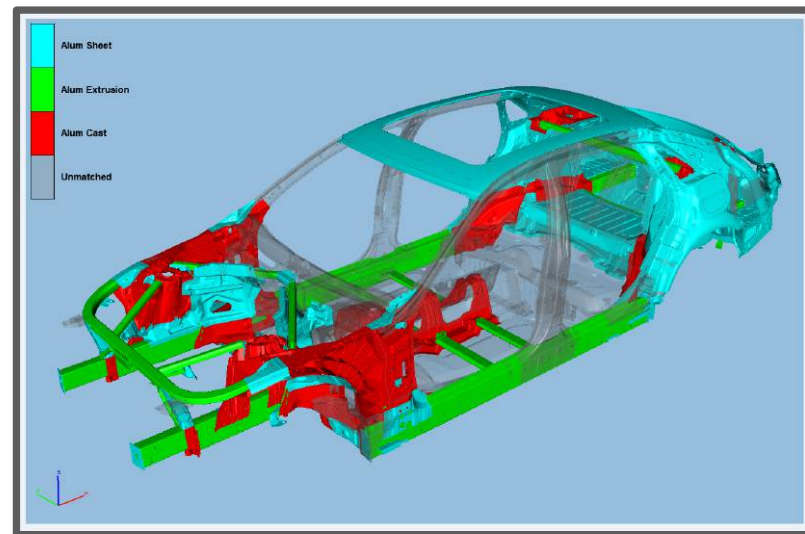
2016 CADILLAC CT6 – VEHICLE MATERIAL

Collision Related Parts Distribution

- Two Categories of Parts:
 - **Unrestricted parts: Non-structural**
 - Body panels and cosmetic parts
 - **Restricted parts: Structural**
 - Structural pieces placed on restriction
 - Estimate and/or VIN must be provide to release part
 - Must validate that work will take place at authorized facility
 - Any dealer can order parts

Restricted Technical Data Sheets

- Celette
- Car-O-Liner
- Chief
- Spanesi

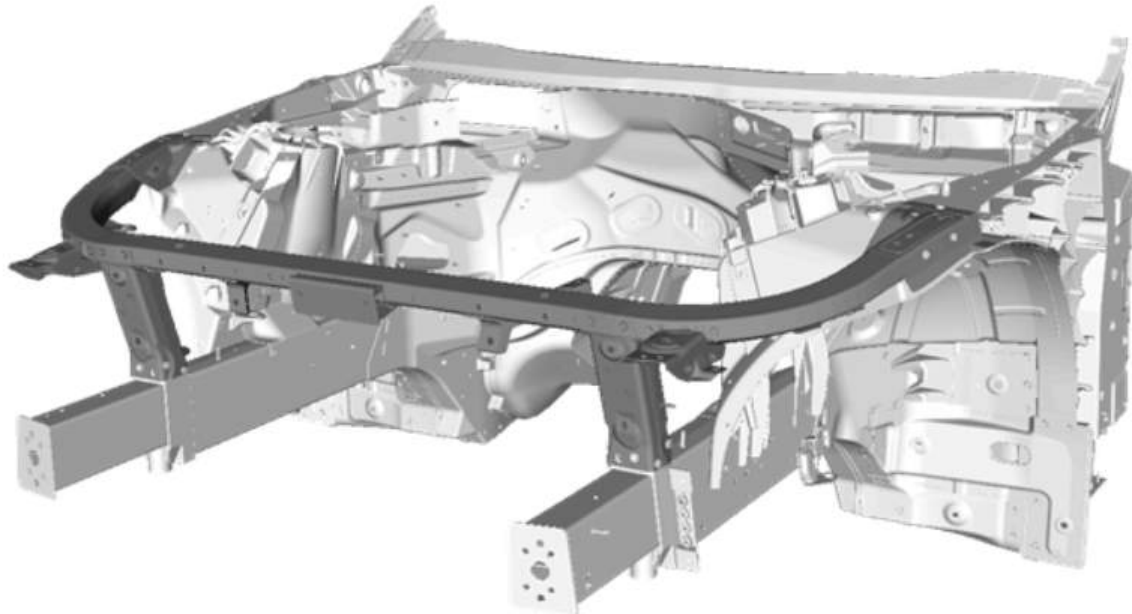


THE 2016 CADILLAC CT6 – SERVICE PROCEDURES

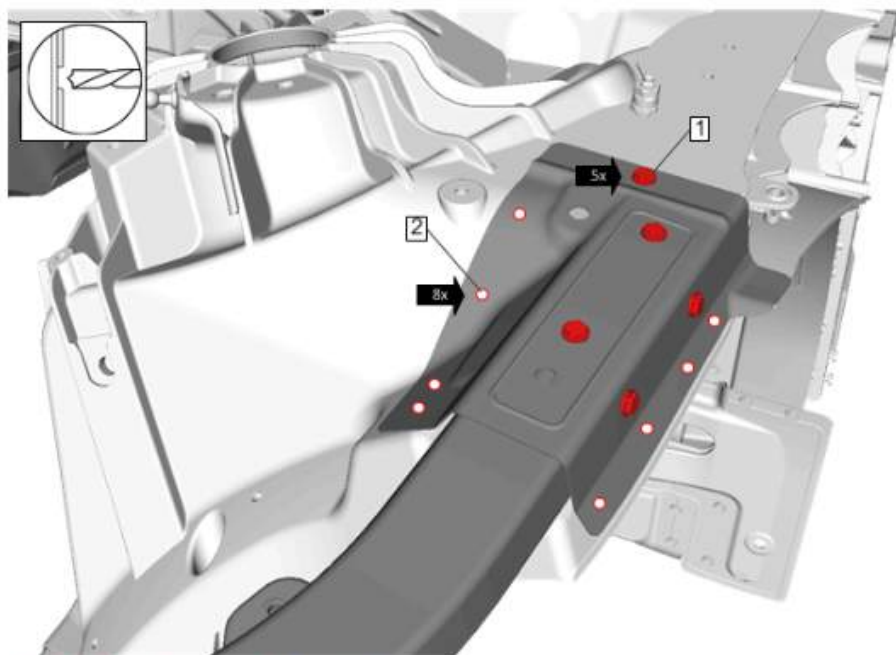


EXAMPLE SERVICE PROCEDURE

Front Tie Bar Replacement



EXAMPLE SERVICE PROCEDURE



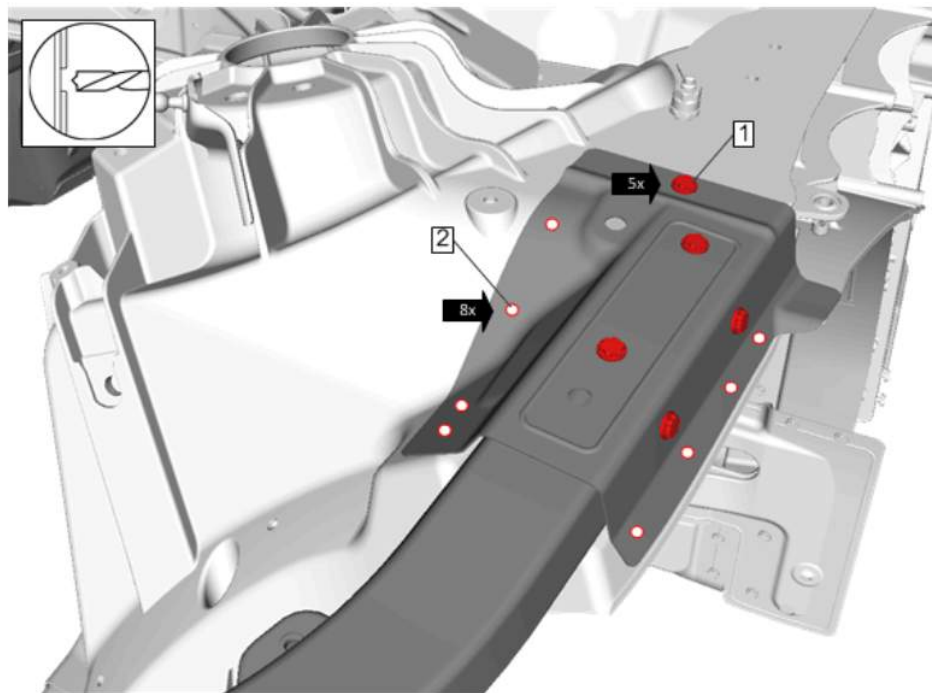
Note: Save all removed flow drill screws.

4. Remove 5 flow drill screws (1). [Fastener Specifications](#)

Note: Drill through top layer only.

5. Remove 8 spot welds (2).

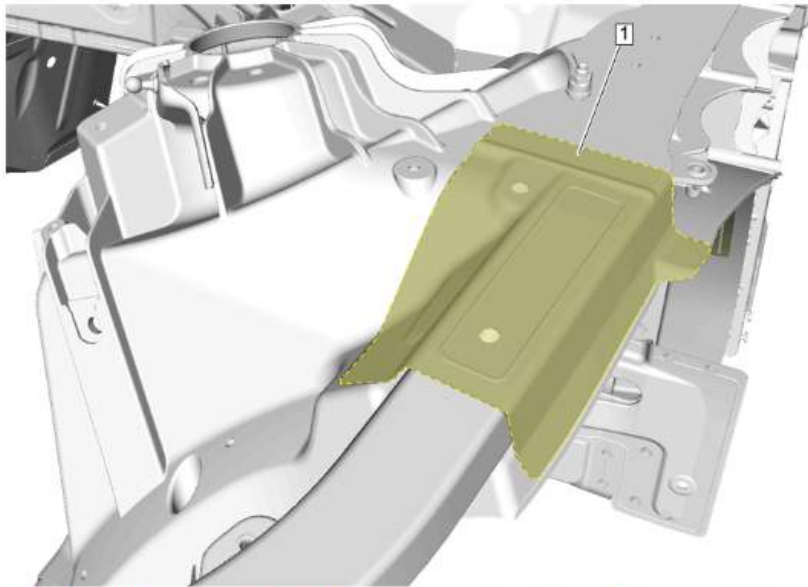
EXAMPLE SERVICE PROCEDURE



4. Remove 5 flow drill screws (1).

Note: Drill through top layer only.

EXAMPLE SERVICE PROCEDURE



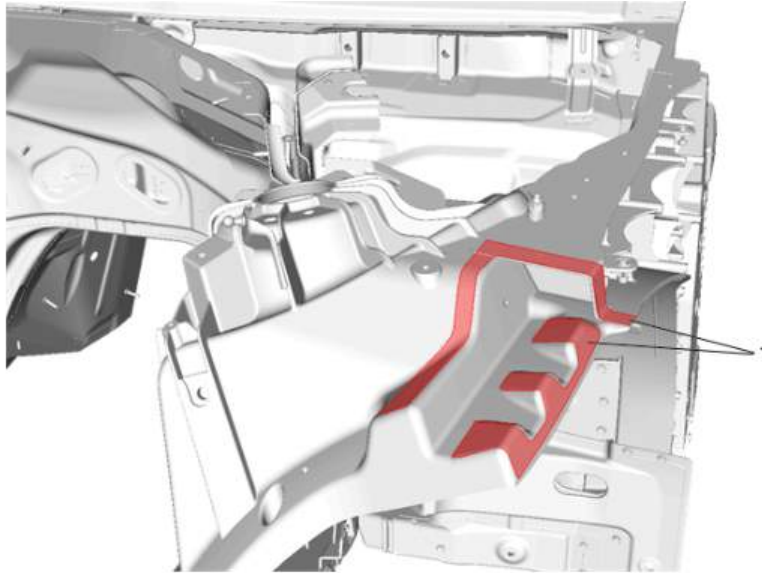
Warning: When separating the aluminum panels during collision repair, be sure to adhere to the following precautions:

- Do not use an open flame
- Focus heat onto panel being replaced and do not exceed 200°C (392°F) for 3 consecutive minutes
- Use care not to damage adjacent panel while prying the panels apart

Failure to follow the precautions may lead to vehicle damage or personal injury.

- Apply heat to upper tie bar cap (1) to release adhesive and remove cap.

EXAMPLE SERVICE PROCEDURE

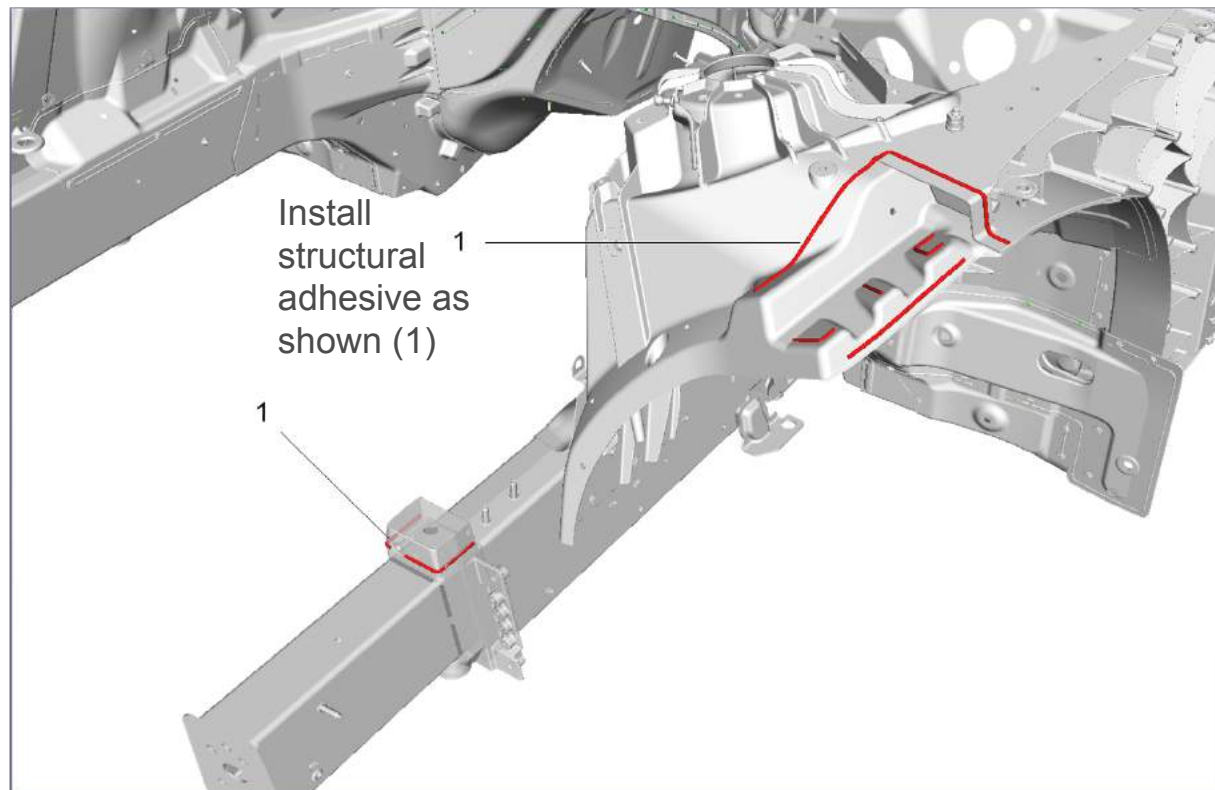


Note: Accurate and timely assembly methods must be used in order to meet proper bonding requirements.

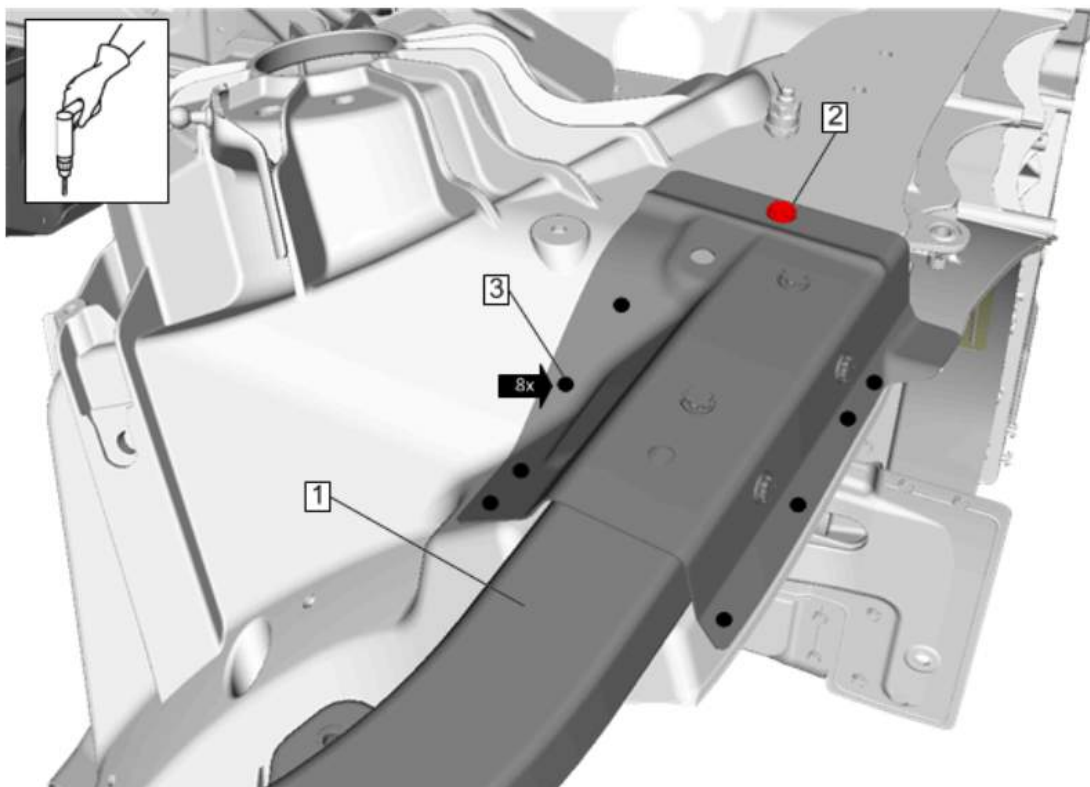
Note: Dry fit all parts with proper clamping devices prior to final assembly to ensure full understanding of the assembly process.

Note: When using adhesive, ensure all necessary tools and materials are in place prior to final assembly.

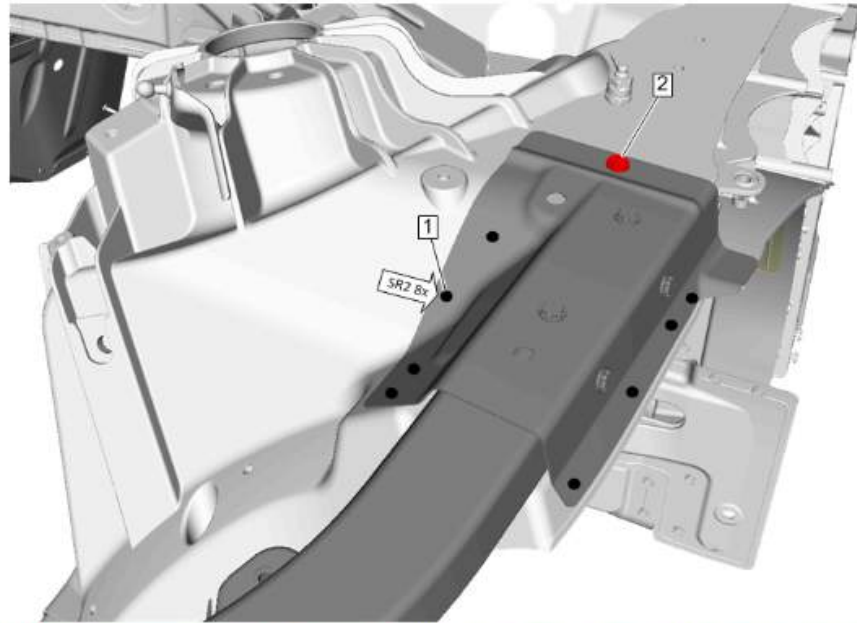
EXAMPLE SERVICE PROCEDURE



EXAMPLE SERVICE PROCEDURE



EXAMPLE SERVICE PROCEDURE



Note: Ensure screw is fully seated with a minimum torque of 5 N•m and not stripped.

15. Install flow drill screw (2) as shown. [Fastener Specifications](#)

16. Install 8 structural rivets (SR2) in previously drilled holes (1) as shown. [Fastener Specifications](#)

THE 2016 CADILLAC CT6 – CADILLAC ALUMINUM REPAIR NETWORK



THE 2016 CADILLAC CT6 – CADILLAC ALUMINUM REPAIR NETWORK

NETWORK

No one likes to think about an automobile collision. In the event your Cadillac CT6 is damaged, we want to ensure that you have access to a repair facility that meets our standards and is equipped to properly repair your vehicle. The Cadillac Aluminum Repair Network was created to ensure proper structural collision repairs for the aluminum intensive Cadillac CT6 vehicle. The network will consist of dealers and independent body shops that have met program requirements.

TRAINING

- I Car Gold or VeriFacts VQ facility status
- 3 additional I Car welding courses
- 3 Cadillac Courses

TECHNICAL

- Required tools and equipment
- Designated Aluminum Repair Area
- Controlled structural parts distribution process

CUSTOMER EXPERIENCE

- On Star - Roadside Assistance
- Customer Brochures
- Cadillac Certified Service Website
- Cadillac Customer Assistance

THE 2016 CADILLAC CT6 – CADILLAC ALUMINUM REPAIR NETWORK

Cadillac CT6 Owner Information

Cadillac CT6 owner's can obtain information regarding body repair for the Cadillac CT6 in the following ways:

- **Cadillac CT6 Customer Brochure**
 - Provided when the Cadillac CT6 was purchased.
- **Cadillac Certified Service Website**
 - www.cadillac.com/certified-service
- **Cadillac Customer Assistance**
 - 1.800.458.8006



THE 2016 CADILLAC CT6 – CADILLAC ALUMINUM REPAIR NETWORK

GM Dealers and Independent Body Shop Information

GM Dealers and Independent Shops can find Cadillac Aluminum Repair Network information on GenuineGMParts.com. The website will contain documents such as the:

CARN Participation Agreement

CARN Manual

CARN Tools and Equipment List

CARN Customer Brochure

CARN Marketing Templates

<http://www.genuinegmparts.com/for-professionals/cadillac-aluminum-repair-network>



COLLISION **POWERTRAIN** **PROGRAMS & PROMOTIONS** **RESOURCES** **LOCATE PARTS DEALER** **FOR PROFESSIONALS**

BROWSE PARTS CATEGORIES

COLLISION

- Sheet metal
- Bumpers, Fascias & Grilles
- Radiators
- Headlamps & Taillamps
- Structural Parts
- Interior Parts & Airbags
- Wheels
- Touch-Up Paint

POWERTRAIN

- Engines
- Transmissions & Transfer Cases
- Engine Components
- Transmission
- Components

Cadillac Aluminum Repair Network

Locate collision repair facilities authorized to repair Cadillac mixed-metal aluminum vehicles.

The Cadillac Aluminum Repair Network is a highly certified group of collision repair facilities authorized to repair Cadillac mixed-metal aluminum vehicles. These authorized facilities will meet all tooling, equipment and Genuine Parts requirements to help ensure proper repair of aluminum vehicles. The facilities will also maintain a staff of repair technicians who are trained in the latest Cadillac aluminum structural repairs, body procedures, and technology for vehicle repair.

REGISTRATION FORMS

- [Cadillac Aluminum Repair Network Body Shop Participation Agreement ▶](#)
- [Cadillac Aluminum Repair Network Program Manual ▶](#)
- [Cadillac CT6 Collision Repair Tools and Equipment List ▶](#)

MARKETING MATERIALS

CONTACT INFO

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