

2022 CHEVROLET CORVETTE SERVICE MANUAL

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Structural Carbon Fiber Description

This information provides repair recommendations and general guidelines for the carbon fiber rear bumper beam.

General Motors recommends the following when repairing or replacing this type of material during collision repair.

Preparation and Repair Process Guidelines

- Use proper PPE (personal protective equipment) when working with structural carbon fiber.
- Repair of this type of material is not recommended.
- When cutting structural carbon fiber avoid using electric cutting equipment as carbon fiber particles are conductive and may damage electric motors.
- Utilize air-powered reciprocating saw with course tooth blade when cutting structural carbon fiber.
- Do NOT apply open flame to structural carbon fiber. Only use heat guns that can provide adequate heat to release factory adhesive.
- Do NOT sand or grind mating surface of structural carbon fiber before applying adhesive.
- Surface of aluminum mating panel should be bare clean aluminum sanded with 80 GRIT.
- Spread adhesive on the mating surfaces of both panels, ensuring the complete mating surface is covered.
- Clean structural carbon fiber using isopropyl alcohol.

Structural Carbon Fiber Repair Adhesive

- The bonding of structural carbon fiber to metal substrates requires a specific adhesive.
- For ordering adhesive, please refer to GM Structural Carbon Fiber Adhesive Kit.