

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Body Repair**
2. **Collision Repair**
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- 4.

Rear Compartment Panel Replacement (Coupe)

Materials

- Sheet Molded Compound (SMC) Sheet Molded Compound (SMC) Panel Bonding

Removal Procedure

1. Click here for full size
2. Warning:

Refer to Approved Equipment for Collision Repair Warning
3. Warning:

Refer to Collision Sectioning Warning
4. Warning:

Refer to Glass and Sheet Metal Handling Warning.
5. Note:

The rear compartment panel is made of (SMC), and is bonded to the rear structure. Sheet Molded Compound (SMC) Panel Bonding
6. Disable the SIR system. SIR Disabling and Enabling.
7. Remove all related panels and components.
8. Remove rear compartment panel frame. Rear Compartment Panel Frame Replacement
9. Remove the sealers and anti-corrosion materials from the repair area as necessary. Anti-Corrosion Treatment and Repair
10. Click here for full size
11. Remove bolts (1) [4X]
12. Click here for full size
13. Note:

Do not use open flame.
14. Note:

Heat slowly and focus heat on panel being replaced.
15. Note:

Excessive prying force may damage surrounding structure.
16. Apply heat to release adhesive (1).
17. Click here for full size
18. Note:

Do not use open flame.
19. Note:

Heat slowly and focus heat on panel being replaced.

20. Note:

Excessive prying force may damage surrounding structure.

21. Apply heat to release adhesive (1).

22. [Click here for full size](#)

23. Note:

Excessive prying force may damage attaching panels.

24. Remove rear compartment panel (1) from vehicle.

25. Note:

The location of adhesive for installation.

26. Note:

Do not damage body structure when removing adhesive.

27. Remove remaining adhesive from body structure.

Installation Procedure

1. [Click here for full size](#)

2. Note:

Temporarily install replacement part.

3. Position rear compartment panel on vehicle using three-dimensional measuring equipment.

4. Remove rear compartment panel from vehicle.

5. [Click here for full size](#)

6. Note:

Shims may be necessary to achieve proper panel alignment. Use care to keep shims out of adhesive path.

7. Note:

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

8. Note:

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

9. Note:

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

10. Clean and prepare mating surfaces on structure and replacement part according to adhesive manufacturer's recommendations. Sheet Molded Compound (SMC) Panel Bonding

11. Apply a consistent bead structural adhesive (1) 14 mm (9/16) in diameter to mating surfaces on structure and replacement part according to adhesive manufacturer's recommendations. Sheet Molded Compound (SMC) Panel Bonding

12. [Click here for full size](#)

13. Install rear compartment panel (1) on vehicle and clamp into place.

14. [Click here for full size](#)

15. Note:

Refer to adhesive manufacturer's recommendations for cure times.

16. Note:

Ensure rear compartment panel has seated throughout the adhesive path.

17. Install bolts (1) 9N-m (6.64 lb ft) [4X].

18. Remove excess adhesive.
19. Apply the sealers and anti-corrosion materials to the repair area as necessary. Anti-Corrosion Treatment and Repair
20. Paint the repaired area. Basecoat/Clearcoat Paint Systems.
21. Install rear compartment panel frame. Rear Compartment Panel Frame Replacement
22. Install all related panels and components.
23. Enable the SIR System. SIR Disabling and Enabling.

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