

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

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

Front Bumper Impact Bar Anchor Plate Replacement

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 front bumper impact bar anchor plate is 5000 series stamped aluminum sheet. Aluminum
6. Note:

Three dimensional fixturing equipment required for installation.
7. Note:

Left shown, right similar.
8. Disable the SIR system. SIR Disabling and Enabling.
9. Remove all related panels and components.
10. Remove front rail end. Front Rail End Replacement
11. Remove the sealers and anti-corrosion materials from the repair area as necessary. Anti-Corrosion Treatment and Repair
12. Click here for full size
13. Note:

Record the number, location and length of aluminum MIG welds for installation.
14. Note:

Do not damage or cut attaching panels and reinforcements.
15. Remove welds (1) from front bumper impact bar anchor plate (2) using a cut off wheel or equivalent tool. [4X]
16. Click here for full size
17. Note:

Record the number, location and length of welds for installation.
18. Note:

Do not damage or cut attaching panels and reinforcements.
19. Remove welds (1) from front bumper impact bar anchor plate (2) using a cut off wheel or equivalent tool. [4X]
20. Click here for full size

21. Remove front impact bar anchor plate (1) from vehicle.

Installation Procedure

1. [Click here for full size](#)
2. Clean and prepare all welded mating surfaces.
3. Install front impact bar anchor plate (1) using three-dimensional fixturing equipment and clamp into place.
4. [Click here for full size](#)
5. Note:

Duplicate the number, location and length of aluminum MIG welds as noted in removal.

6. Install welds using Pulse MIG welder [4X]. Aluminum
7. [Click here for full size](#)
8. Note:

Duplicate the number, location and length of aluminum MIG welds as noted in removal.

9. Install welds using Pulse MIG welder [4X]. Aluminum
10. Install front rail end. Front Rail End Replacement
11. Apply the sealers and anti-corrosion materials to the repair area as necessary. Anti-Corrosion Treatment and Repair
12. Paint the repaired area. Basecoat/Clearcoat Paint Systems.
13. Install all related panels and components.
14. Enable the SIR System. SIR Disabling and Enabling.