

# Tie Bar Replacement

## Removal Procedure

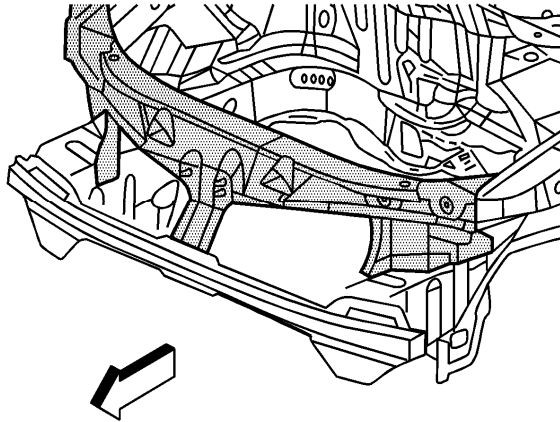
### **Important**

The front longitudinal is joined to the apron panel and front panel, it forms the base for the front suspension, engine, transaxle and others. Therefore, replacement of the component affects the front wheel alignment and maintains the rigidity of the front section. When assembling it, either use a jig or follow dimensions on the body repair chart for positioning. It must be welded carefully.

### **Caution**

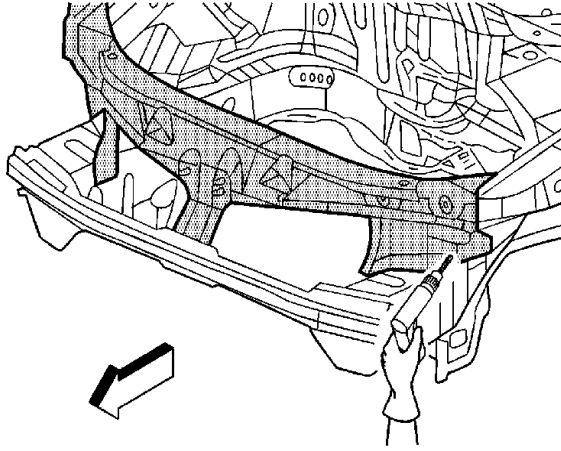
Refer to [Approved Equipment for Collision Repair Caution](#) in Cautions and Notices.

1. Disable the SIR system. Refer to [Disabling the SIR System](#) in SIR.
2. Disconnect the negative battery cable.



3. Remove all related panels and components.
4. Repair as much of the damage as possible to factory specifications. Refer to [Dimensions - Body](#) .
5. Note the location and remove the sealers and anti-corrosion materials from the repair area, as necessary. Refer to [Anti-Corrosion Treatment and Repair](#) in Paint

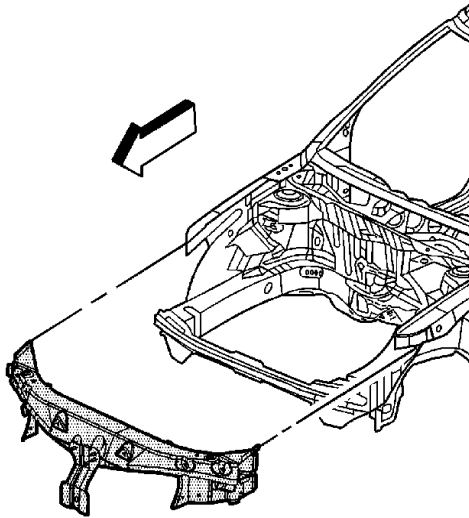
and Coatings.



**Important**

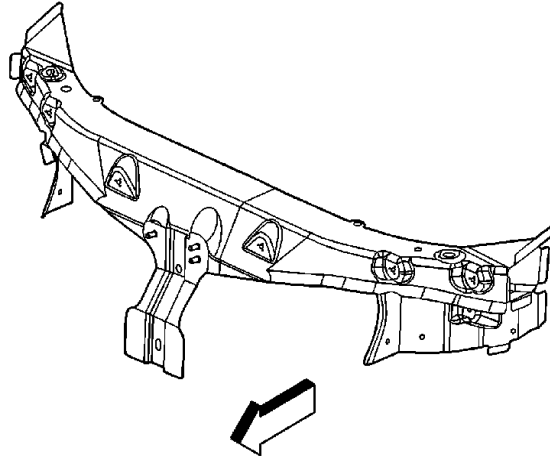
Do not damage any inner panels or reinforcements.

6. Locate and drill out all factory welds. Note the number and location of the welds for installation of the tie bar.



7. Remove the damaged tie bar.

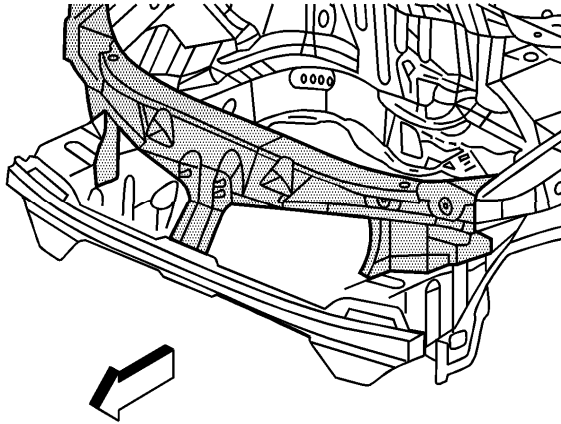
## Installation Procedure



### **Important**

If the location of the original plug weld holes can not be determined, space the plug weld holes every 40 mm (1 1/2 in) apart.

1. Drill 8 mm (5/16 in) plug weld holes in the service part as necessary in the locations noted from the original panel.
2. Prepare all mating surfaces as necessary.
3. Apply GM-approved Weld-Thru Coating or equivalent to all mating surfaces. Refer to [Anti-Corrosion Treatment and Repair](#) .



4. Position the tie bar to the vehicle using 3-dimensional measuring equipment. Clamp the tie bar into place.
5. Plug weld accordingly.
6. Clean and prepare all welded surfaces.
7. Apply the sealers and anti-corrosion materials to the repair area, as necessary. Refer to [Anti-Corrosion Treatment and Repair](#) in Paint and Coatings.
8. Paint the repair area. Refer to [Basecoat/Clearcoat Paint Systems](#) in Paint and Coatings.
9. Install all related panels and components.
10. Connect the negative battery cable.
11. Enable the SIR system. Refer to [Enabling the SIR System](#) in SIR.