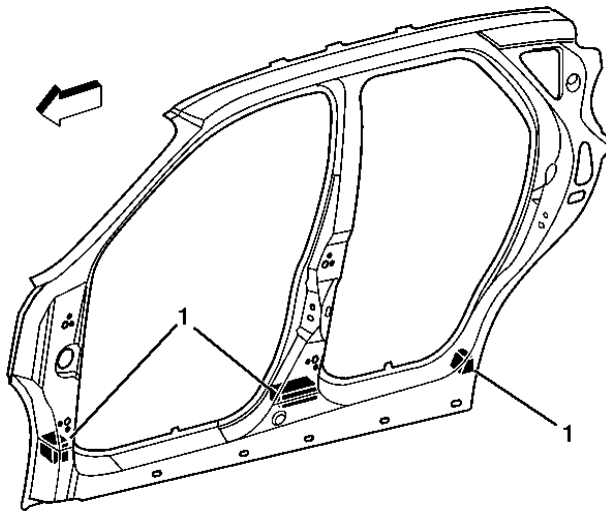
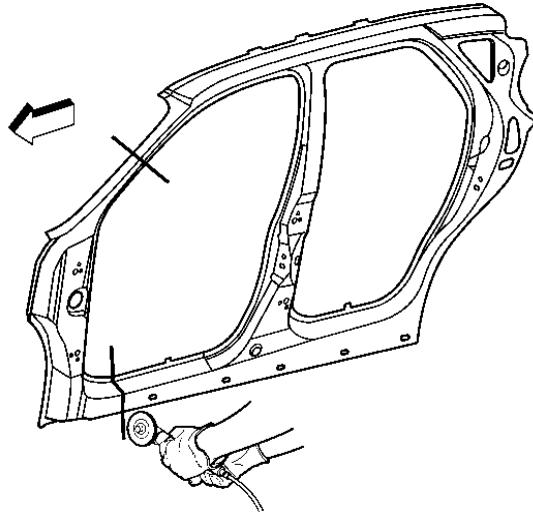


Outer Door Frame Sectioning - Hinge Pillar

Removal Procedure



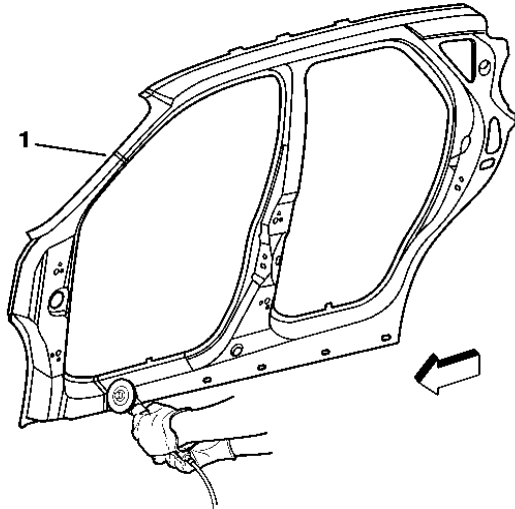
1. Remove all related panels and components.
2. Restore as much of the damage as possible to factory specifications.
3. Note the location and remove the following as necessary:
 - Anti-corrosion materials
 - Sound deadeners (1)
 - Sealers



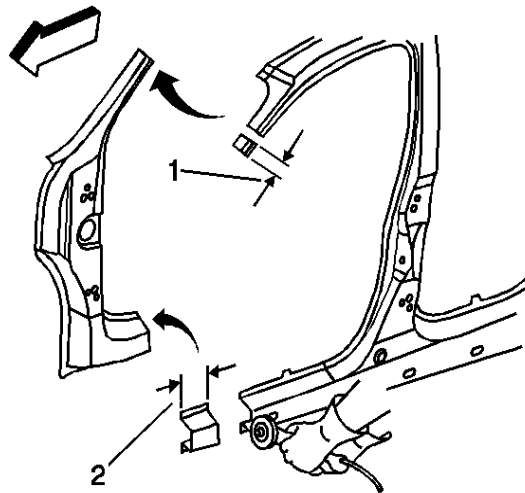
Important: Do not damage any inner panels or reinforcements.

4. Cut the panel where sectioning is to be performed.
5. Locate and drill out all factory welds. Note the number and location of welds for installation of the service part.
6. Remove the damaged front hinge pillar.

Installation Procedure

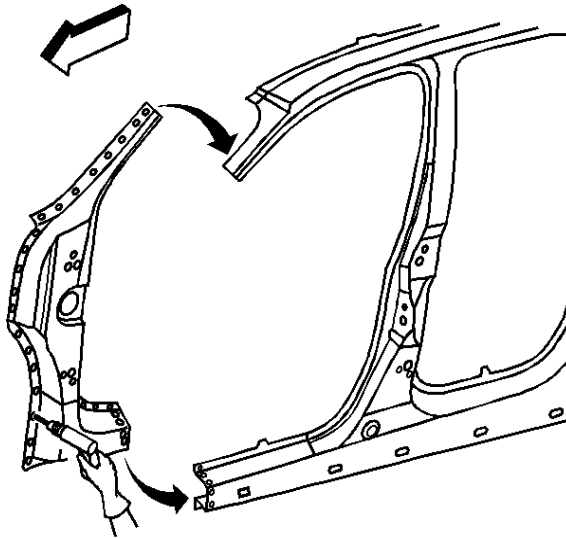


1. Cut the replacement service part in corresponding locations to fit the remaining original panel. The sectioning joint should be trimmed to allow a gap of one-and-one-half times the metal (1) thickness at the sectioning joint.



2. In the front hinge pillar, create a 50 mm (2 in) backing plate (1) from the unused portion of the door frame opening. Trim the backing plate as necessary to fit behind the sectioning joint.

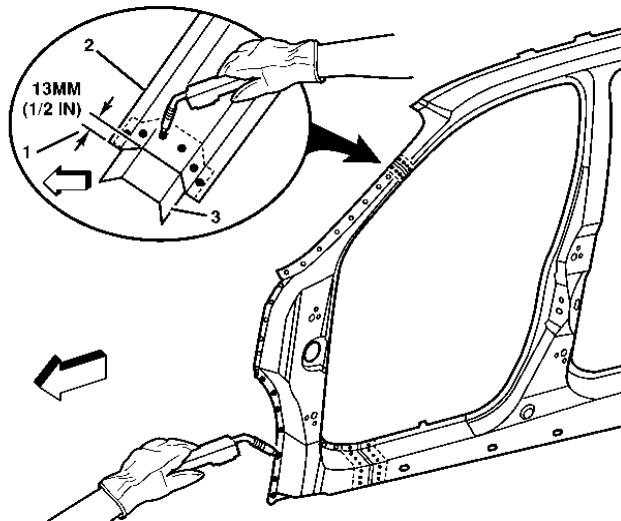
3. In the rocker locations, create a 100 mm (4 in) backing plate (2) the unused portion of the door frame opening. Trim the backing plate as necessary to fit behind the sectioning joint.



4. Drill 8 mm (5/16 in) plug weld holes along the sectioning cut on the remaining original part.

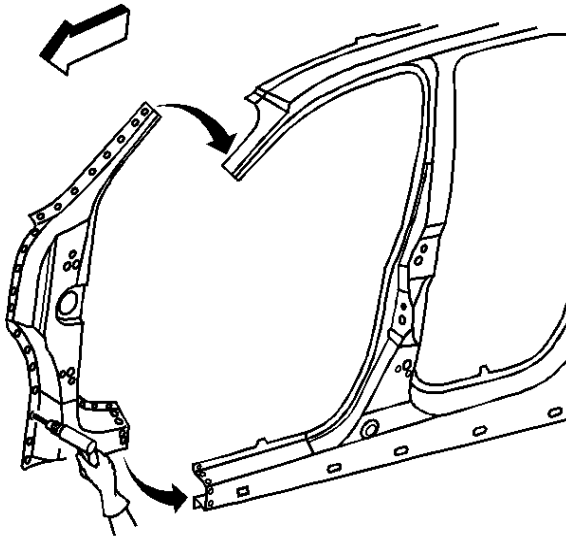
Important: In any area damaged beyond recognition, space plug weld holes every 40 mm (1 ½ in) apart.

5. Drill 8 mm (5/16 in) plug weld holes as necessary in locations noted from the original panel.



6. Prepare all attachment surfaces as necessary.

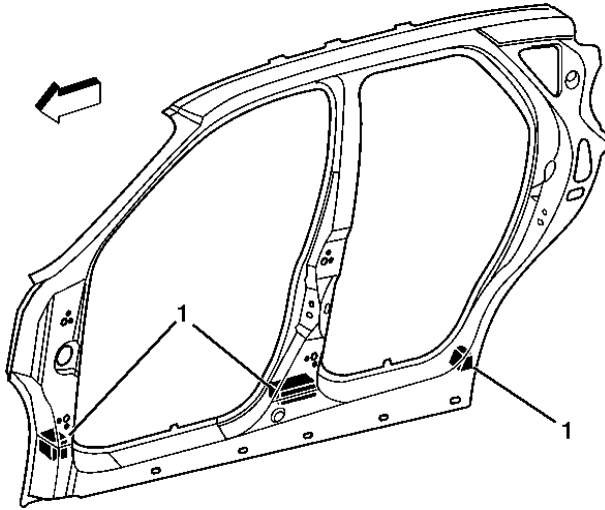
7. Apply GM-approved Weld-Thru Coating or equivalent to all mating surfaces. Refer to [Anti-Corrosion Treatment and Repair](#) .
8. Fit the backing plate (1) halfway into the sectioning joint (2) clamp and plug weld to the vehicle (3).
9. Align the front hinge pillar using three-dimensional measuring equipment.
10. Plug weld accordingly.



11. To create a solid weld with minimum heat distortion, make 25 mm (1 in) stitch welds along the seam with 25 mm (1 in) gaps between them. Then go back and complete the stitch weld.

Important: Prior to refinishing, refer to publication GM 4901M-D-2000 GM Approved Refinish Materials for recommended products. Do not combine paint systems. Refer to paint manufacturer's recommendations.

12. Clean and prepare all welded surfaces.



13. Apply the following as necessary:

- Anti-corrosion materials
- Sound deadeners (1)
- Sealers