

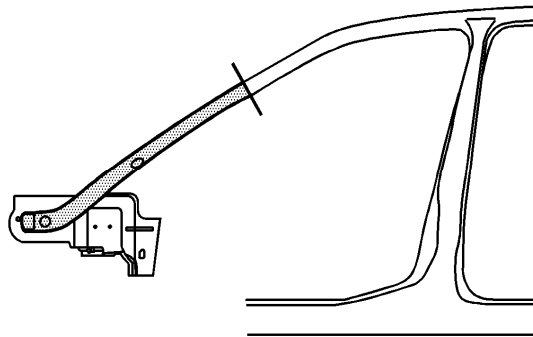
Front Inner Hinge Pillar Reinforcement Sectioning

Removal Procedure

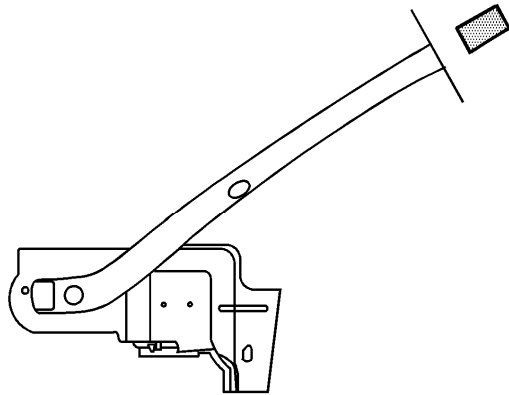
Caution: Refer to [Approved Equipment for Collision Repair Caution](#) in Cautions and Notices.

Caution: Sectioning should be performed only in the recommended areas. Failure to do so may compromise the structural integrity of the vehicle and cause personal injury if the vehicle is in a collision.

1. Disable the SIR system. Refer to [SIR Disabling and Enabling](#) in SIR.
2. Disconnect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#) in Engine Electrical.

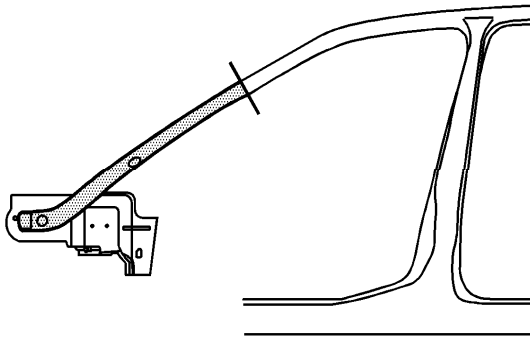


3. Remove all related panels and components.
4. Remove the sealers and anti-corrosion materials from the repair area, as necessary. Refer to [Anti-Corrosion Treatment and Repair](#) in Paint and Coatings.
5. Restore as much of the damage as possible.
6. On the windshield pillar, measure down 250 mm (9 13/16 in) from the base of the windshield pillar reinforcement. This is your section location.



7. Apply GM-approved Weld-Thru Coating or equivalent to all mating surfaces. Refer to [Anti-Corrosion Treatment and Repair](#) .
8. Construct a 100 mm (4 in) long joint reinforcement from a scrap portion of the unused service part.
9. Slip the reinforcement inside the new service part.
10. MIG weld the reinforcement to the sectioned service part.

Installation Procedure



1. Apply GM-approved Weld-Thru Coating or equivalent to all mating surfaces. Refer to [Anti-Corrosion Treatment and Repair](#) .
2. Insert the part into the joint area of the windshield pillar.
3. Use MIG plug-welds to attach the joint reinforcement to the windshield pillar inner tube.

Important: Ensure that the gap of the butt joint is 1.5 times the metal thickness.

4. To create a solid weld with minimum heat distortion, use alternating 25 mm (1 in) stitch welds along the seam to completely fill in the butt joint.
5. Clean and prepare all of the welded surfaces.
6. Apply the sealers and anti-corrosion materials to the repair area, as necessary. Refer to [Anti-Corrosion Treatment and Repair](#) in Paint and Coatings.
7. Paint the repaired area. Refer to [Basecoat/Clearcoat Paint Systems](#) in Paint and Coatings.
8. Install all of the related panels and components.
9. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#) in Engine Electrical.
10. Enable the SIR system. Refer to [SIR Disabling and Enabling](#) in SIR.