

951686

Compartment Panel Replacement - Rear

Tools Required

J 42058 Frame Adapter Clamp

Removal Procedure

Caution: To avoid personal injury when exposed to welding flashes or to galvanized (Zinc Oxide) metal toxic fumes while grinding/cutting on any type of metal or sheet molded compound, you must work in a properly ventilated area, wearing an approved respirator, eye protection, earplugs, welding gloves, and protective clothing.

The rear compartment panel is made of sheet molded compound (SMC), and is bonded to the rear structure and frame rails with structural adhesive.

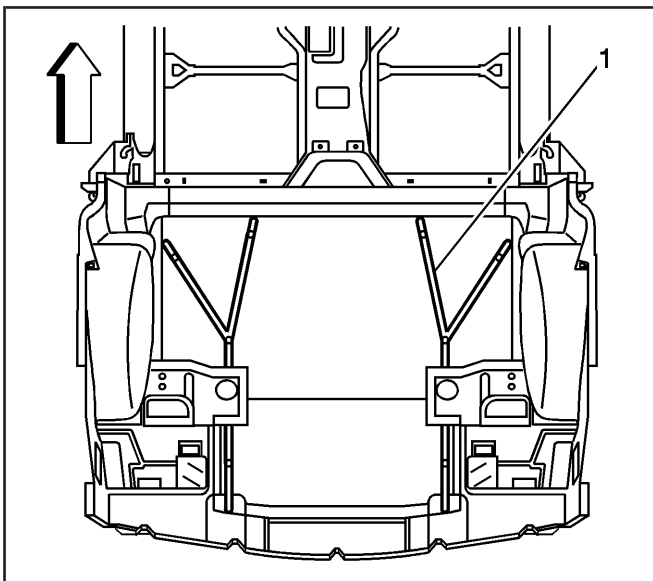
1. Disable the SIR system. Refer to *SIR Disabling and Enabling Zones* on page 2-66.
2. Disconnect the negative battery cable.
3. Remove all related panels and components.

Caution: Fuel Vapors can collect while servicing fuel system parts in enclosed areas such as a trunk. To reduce the risk of fire and increased exposure to vapors: Use forced air ventilation such as a fan set outside of the trunk, plug or cap any fuel system openings in order to reduce fuel vapor formation, clean up any spilled fuel immediately, avoid sparks and any source of ignition, use signs to alert others in the work area that fuel system work is in process.

4. Make sure the fuel inlet is sealed before proceeding with repair procedure.
5. Remove the rear compartment frame panels. Refer to *Compartment Panel Frame Replacement - Rear* on page 2-51.
6. Remove screws attaching the rear compartment panel to the frame rails.

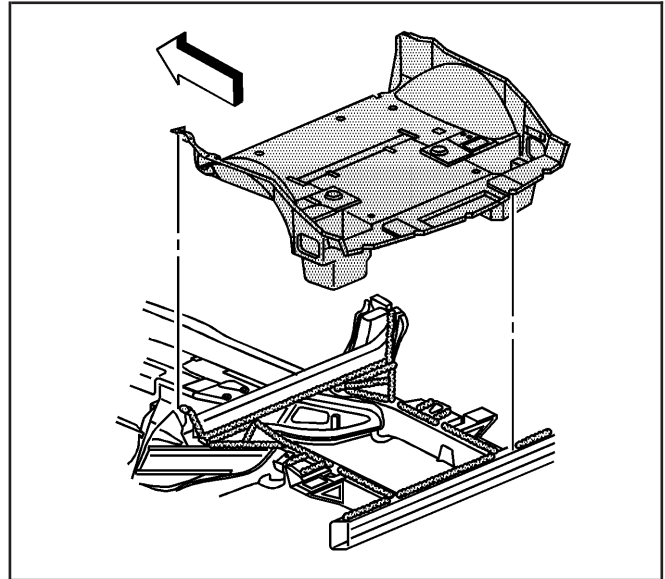
Important: The front edge of the rear compartment panel is also bonded across the seatback area and along the top of the rear impact bar.

7. Remove the rear compartment panel by applying heat to the inside of the rear compartment along the bond lines (1) indicated on the floor.
8. Pry to detach adhesive along the bonding surface.
9. The front edge of rear compartment panel is also bonded across the seatback area and along the top of the rear impact bar. Apply heat and pry to detach adhesive along the bonding surface.



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10. Remove the rear compartment panel.
11. Save any and all brackets, mounting studs, and accessories for transfer to the new rear compartment panel.
12. Note the location of the adhesive and remove all remaining loose adhesive.
13. Inspect the rear structure and frame rails for damage.
14. Restore as much of the damage as possible to the factory specifications. Refer to *Dimensions - Body* on page 2-2 and *Measurements - Underbody* on page 2-4.
15. Use *J 42058* to secure the vehicle if pulling and straightening is required.



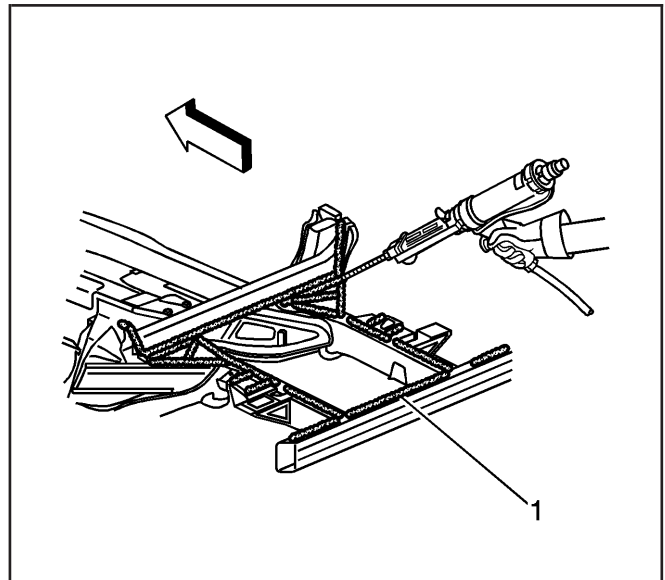
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Installation Procedure

1. Before applying adhesive dry fit the rear compartment panel for proper fit and alignment.

Important: DO NOT top coat any bonding surface. Use primer only on bonding surfaces. Refer to adhesive manufacturer's recommendations.

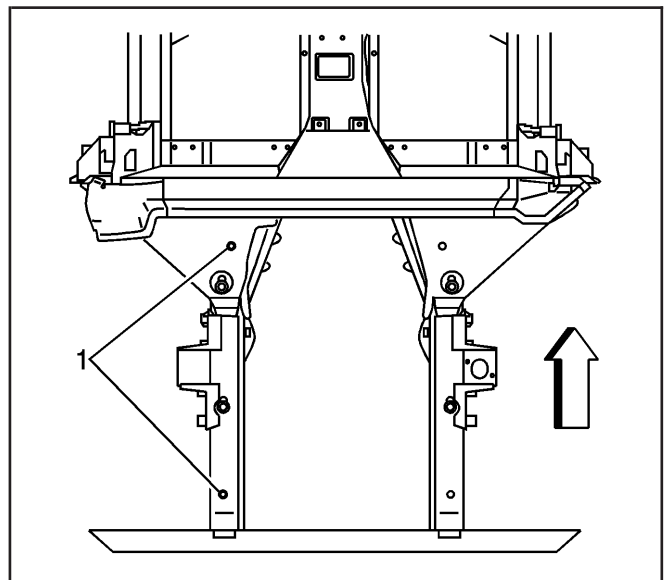
2. Clean and prepare all bonding mating surfaces according to adhesive manufacturer's recommendations.
3. Apply a consistent bead of structural adhesive (1) 12 mm (1/2 in) in diameter to the top of the frame rails also to the backside of the lock pillars, as well as over the fuel filler neck and to all original bonding surfaces. Refer to *Sheet Molded Compound (SMC) Panel Bonding* on page 2-56.



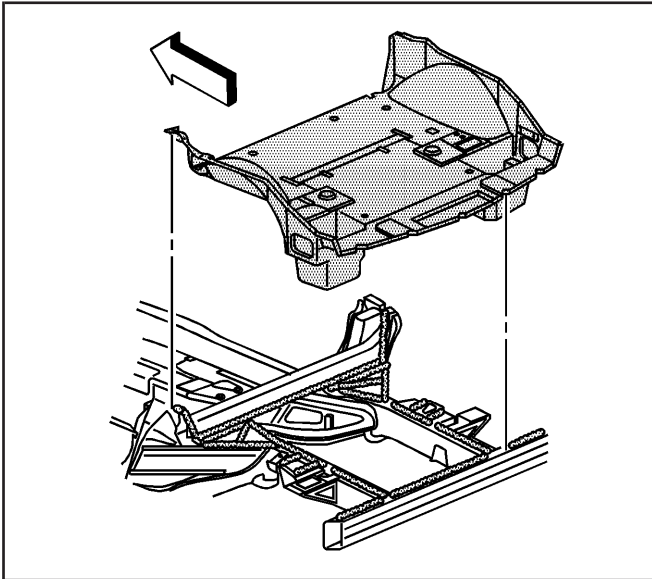
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Important: The rear compartment panel is positioned to the driver's side frame rail using two dimples formed in the bottom surface of the rear compartment panel.

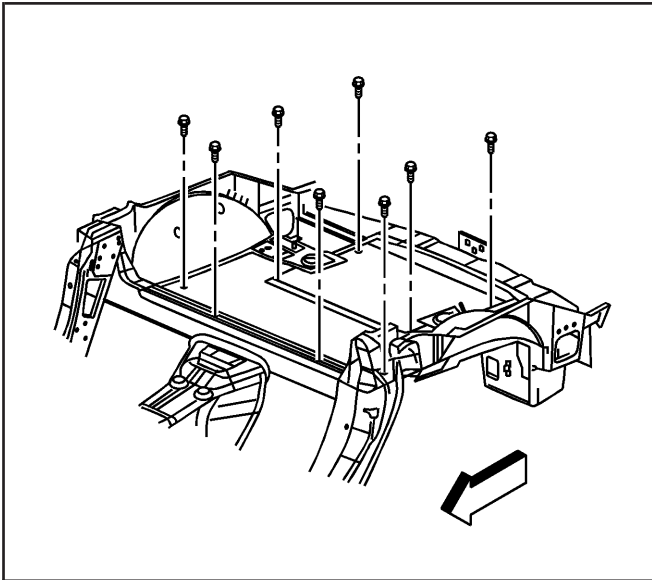
4. Position the rear compartment panel to the two holes (1) in the frame rail.



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5. Install the rear compartment panel to the vehicle.
6. Apply pressure to the rear compartment panel to set the adhesive.

7. Install screws attaching the rear compartment panel to the frame rails.
8. Clamp or mechanically fasten the rear compartment panel into place as necessary.
9. Remove any excess adhesive.
10. Install the rear compartment frame panels. Refer to *Compartment Panel Frame Replacement - Rear* on page 2-51.
11. Install all related panels and components.
12. Connect the negative battery cable.
13. Enable the SIR system. Refer to *SIR Disabling and Enabling Zones* on page 2-66.