

Eliminating Unwanted Odors in Vehicles

GM Vehicle Care Odor Eliminator, GM P/N 12378554 (Canadian P/N 88901678), may control or eliminate odors in the interior and luggage compartment areas of GM vehicles. This non-toxic, biodegradable, odorless product has been shown to greatly reduce or remove the following types of odor:

- Objectionable smells of mold and mildew resulting from vehicle water leaks
- Customer created odors, such as smoke

You may safely use GM Vehicle Care Odor Eliminator on fabrics, vinyl, leather, carpet, and sound deadening materials. You may also induce this product into HVAC modules and instrument panel ducts for the control of non-bacterial related odors.

Important: This product leaves no residual scent and should not be used as an air freshener.

This product may result in the permanent elimination of an odor and may be preferable to customers whose allergies make them sensitive to perfumes. This product may effectively remove odors when directly contacting the odor source. In cases such as water leaks, use this product with diagnostic procedures to first eliminate the primary cause of the odor. Then use further applications on the residual odor to permanently correct the vehicle condition.

How to Use this Product

- Spray GM Vehicle Care Odor Eliminator directly or as an additive with carpet shampoo in steam cleaners.
- Do not use on any interior surface that plain water would deteriorate, because this product will have the same effect. Also avoid letting this product come into contact with vinegar or any acidic substance. Acid-based products will hamper the effectiveness of GM Vehicle Care Odor Eliminator.
- Complete eight page treatment sheets are enclosed within each case of GM Vehicle Care Odor Eliminator. These treatment instructions range from simple vehicle odor elimination to full step by step procedures for odor removal from water leaks. If lost, contact 800-977-4145 to get a replacement set faxed or e-mailed to your dealership.
- Instructions and cautions are printed on the bottle, but additional help is available. If you encounter a persistent or recurring odor, you may call to obtain additional information and usage suggestions.
 - In the USA, call 1-800-955-8591.
 - In Canada, call 1-800-977-4145.

Floor Carpet Drying

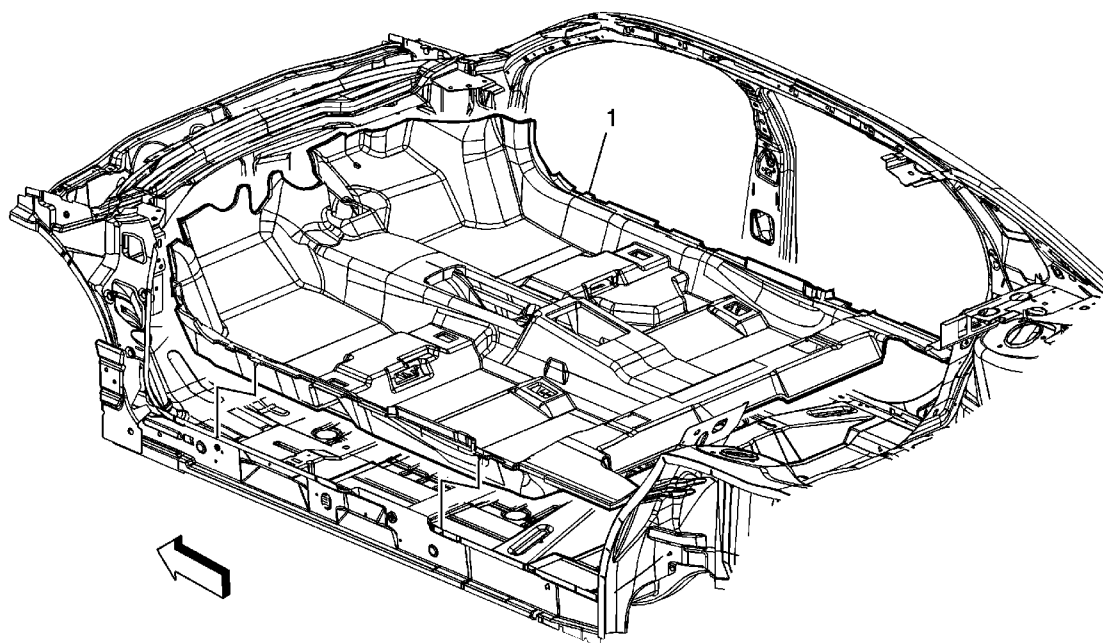
If the carpet or the pad or insulator is wet, use the following criteria for drying or for replacing the components:

- For a 1-piece carpet assembly bonded to a cotton or a fiber padding, replace the entire assembly.
- For a 2-piece carpet assembly with a cotton or a fiber padding, replace the padding only. While the carpet is out of the vehicle, dry the carpet using the method described below.
- For a 1-piece carpet assembly bonded to a foam padding or attached to a synthetic padding, dry the carpet using the method described below.
- For a 2-piece carpet assembly with a synthetic padding, dry the assembly using the method described below.

Drying Method

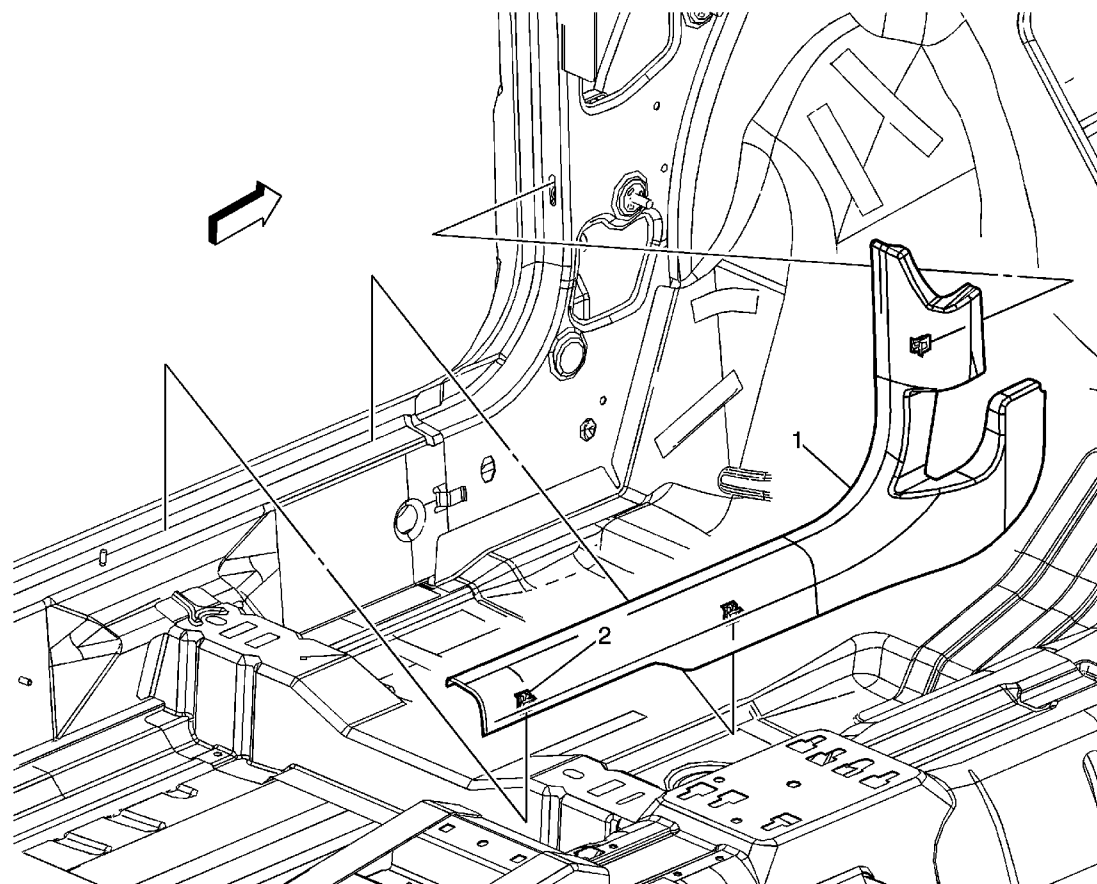
1. If you observe puddles of liquid on the carpet face, use a wet vacuum to remove the excess moisture.
2. Blot the face of the carpet with a towel in order to absorb as much moisture as possible.
3. Point a fan at the affected area and air dry the carpet.

Floor Panel Carpet Replacement (Impala)



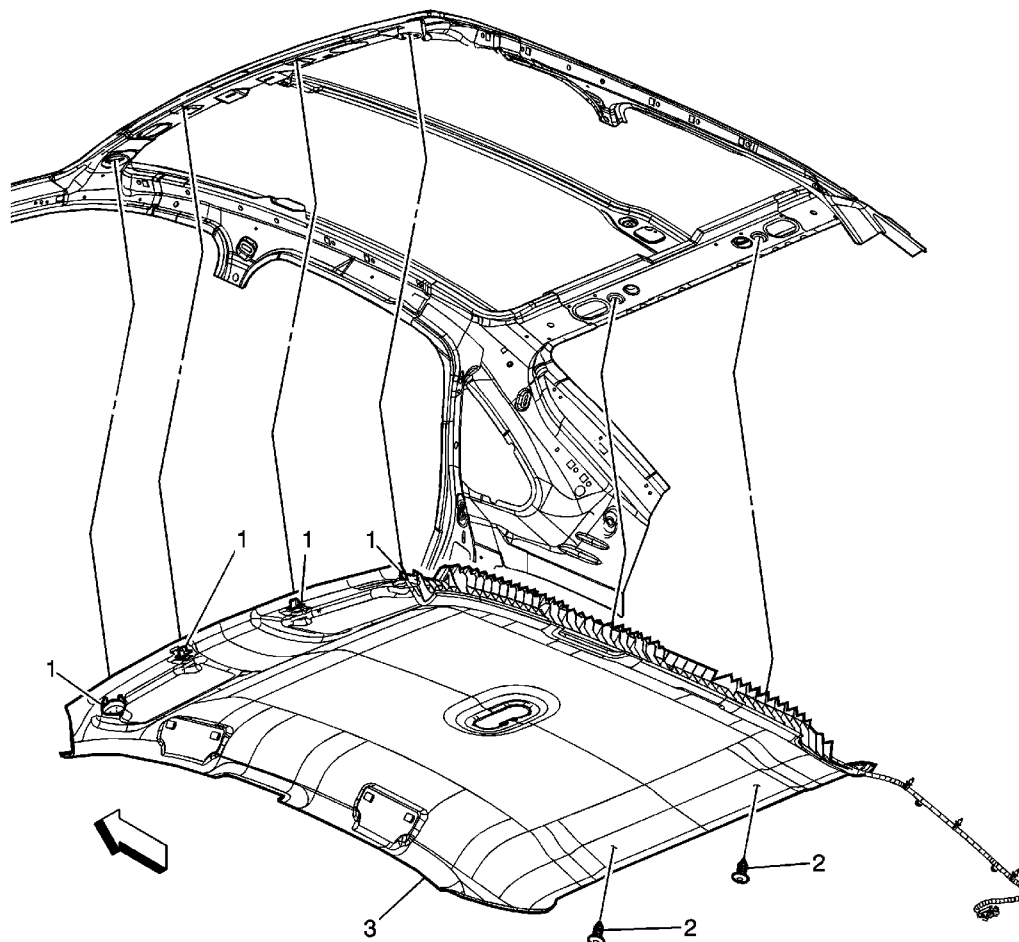
Callout	Component Name
Preliminary Procedures	
1. Remove the front seats. Refer to Front Seat Replacement - Bucket . 2. Remove the rear seat. Refer to Rear Seat Cushion Replacement . 3. Remove the floor console. Refer to Front Floor Console Replacement . 4. Remove the carpet retainers. Refer to Front Carpet Retainer Replacement . 5. Loosen the center lower pillar garnish moldings. Refer to Center Pillar Lower Trim Panel Replacement . 6. Loosen the lower lock pillar garnish moldings. Refer to Quarter Lower Rear Trim Panel Replacement 7. Remove the lower front seat belt bolt.	
1	Floor Panel Carpet Assembly

Front Side Door Opening Floor Carpet Retainer Replacement (Impala)



Callout	Component Name
1	Front Side Door Carpet Retainer Assembly
2	Front Side Door Carpet Retainer Assembly Clip

Headlining Trim Panel Replacement



Callout	Component Name
Warning: Do not attempt to repair or alter the head impact energy-absorbing material glued to the headliner or to the garnish trims. If the material is damaged, replace the headliner and/or the garnish trim. Failure to do so could result in personal injury. Caution: Use care when working around the head curtain inflator module. Sharp tools may puncture the curtain airbag. If the head curtain inflator module is damaged in any way, it must be replaced. Caution: If a vehicle is equipped with a head curtain inflator module ensure that the inflator module and tether are undamaged. If tether or curtain airbag are damaged in any way, they must be replaced. © 2010 General Motors Corporation. All rights reserved.	

Preliminary Procedure

1. Disable the SIR. Refer to [SIR Disabling and Enabling](#).
2. Remove the rear quarter upper trim panel. Refer to [Quarter Upper Trim Panel Replacement](#).
3. Remove the upper center pillar trim. Refer to [Center Pillar Upper Trim Panel Replacement](#).
4. Remove the windshield pillar trim. Refer to [Windshield Pillar Garnish Molding Replacement](#).
5. Remove the sunshades. Refer to [Sunshade Replacement](#).
6. Remove the sunshade anchors. Refer to [Sunshade Anchor Replacement](#).
7. Remove the assist handles. Refer to [Assist Handle Replacement](#).

1	Headlining Trim Screw Caution: Refer to Fastener Caution in the Preface section. Tip The screws come off with the sunshade and sunshade anchors.
2	Headlining Trim Retainer (Qty: 2)
3	Headlining Trim Procedure 1. Disconnect the electrical connectors. 2. Fully recline the front seat backs. 3. Tilt the steering wheel fully upward. 4. Set the parking brake and put shifter in low gear. 5. Cover the instrument panel (I/P) to protect from damage. 6. Remove through the front passenger door opening.