



AVAIL[®]

**BALLISTIC
DOOR PANELS**

NIJ LEVEL IIIA



INSTALLATION GUIDE

As shown on
**CHEVROLET[®] TRAVERSE
FRONT DOORS**
(2024 & newer models)



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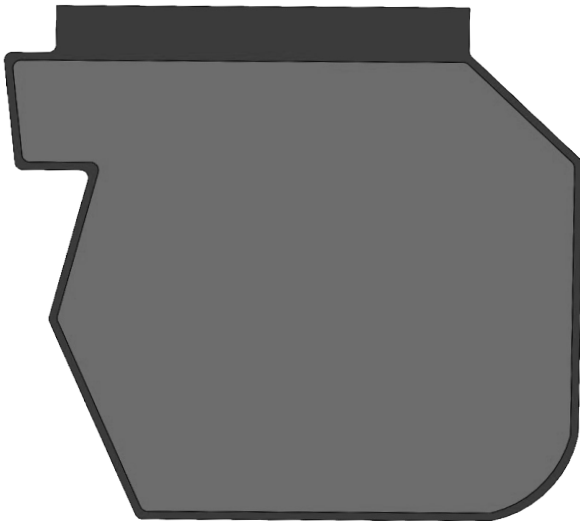
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CHEVROLET® IS A REGISTERED TRADEMARK OF GENERAL MOTORS.

INTRODUCTION

Congratulations on your purchase of the Angel Armor® Avail® Ballistic Door Panel (Level IIIA) for the Chevrolet® Traverse! It's our honor to provide advanced protection to those who put their life on the line in the name of law and order.

In just a matter of minutes, your vehicle will be upfitted with the finest ballistic technology available. With innovative ballistic materials, advanced designs and the fastest installation in the industry, Angel Armor Avail Ballistic Door Panels elevate protective technology to a higher level.



▲ Figure 1. Angel Armor Avail Ballistic Door Panel (Level IIIA) for the Chevrolet Traverse

Product Description

Angel Armor Avail Ballistic Door Panels (Level IIIA) are constructed of a proprietary technology that is not only remarkably strong, but also thin, lightweight and weatherproof. These properties, plus semi-rigid material characteristics, enable unprecedented ease of installation while providing protection independently tested in accordance with NIJ Standard 0108.01 protocol. Angel Armor Avail Ballistic Door Panels (Level IIIA) for the Chevrolet Traverse exceed NIJ Standard 0108.01 protocol for multi-round protection and offer a five-year express limited warranty. Within this period, the panels may be removed and transferred to another vehicle of the same make and model without violating the warranty.

Installation Overview

Angel Armor Avail Ballistic Door Panels (Level IIIA) for the Chevrolet Traverse require no additional brackets or fasteners. The Ballistic Door Panel is inserted into the door, adjacent to the window glass.

Installation into Chevrolet Traverse takes as little as 15 minutes for experienced installers. The average user installation takes only 25 to 30 minutes.



Watch an installation in action at angelarmor.com

Warnings and Cautions

Please adhere to the following guidelines to prevent personal injury, equipment damage and unnecessary difficulty during installation.

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Please adhere to the following guidelines to prevent personal injury, equipment damage and unnecessary difficulty during installation.

Legal Statements

See supplied Warranty and Terms and Conditions for important legal information. These instructions are provided for your convenience only, and Angel Armor expressly disclaims any liability for any damage to personal property or personal injury that occurs as a result of either installation or removal of panels.



DISCONNECT THE VEHICLE BATTERY AFTER THE WINDOW IS ADJUSTED FOR INSTALLATION TO AVOID ACCIDENTAL AIRBAG DEPLOYMENT. ACCIDENTAL DEPLOYMENT OF THE AIRBAG MAY CAUSE SERIOUS PERSONAL INJURY.



Read this guide in its entirety before beginning installation.



Wear appropriate protective gear, including eye and foot protection.



Avoid puncturing speakers with screws, push-snaps, fasteners, or other sharp pieces during door disassembly, panel insertion, and door re-assembly.



Do not drop screws or other assembly components inside the door, as they may be difficult to retrieve. If possible, use magnetic tools during installation.



Use only plastic trim removal/prying tools on finished surfaces to help prevent scratching.



Avoid tearing the weatherproof cover on the “teeth” inside of the door when removing the ballistic panel by pushing the panel toward the interior of the door before lifting it out of the door



Discard and replace any door components that are inadvertently damaged during the installation process. Proper installation according to the instructions in this guide should not cause damage to any vehicle or Ballistic Door Panel parts or components.



Use caution when removing parts that may have sharp edges, such as the outer window weatherstrip.

TOOLS & PARTS LIST

This section lists the tools recommended for installation and the parts included in the installation kit.

Recommended Tools

This section lists tools to be supplied by the installer.

- Torx T15 key wrench or screwdriver
- Socket wrench
- 7mm socket
- Pick tool
- Trim removal tools



▲ Figure 2. Torx T15 screwdriver



▲ Figure 3. Socket wrench



▲ Figure 4. 7 mm socket



▲ Figure 5. Pick tool

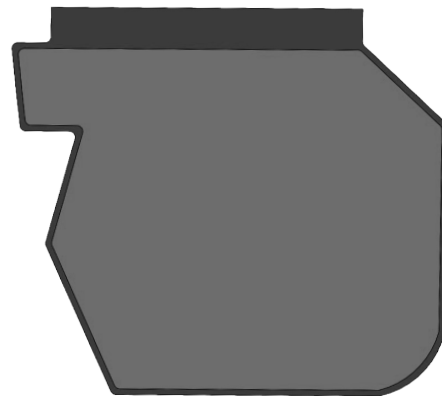


▲ Figure 6. Panel/trim removal tool

Installation Kit Contents

This section lists the Ballistic Door Panel type and all parts included with it.

- Angel Armor Avail Ballistic Door Panel (Level IIIA) for Chevrolet Traverse (2024 & newer models)



▲ Figure 7. Angel Armor Avail Ballistic Door Panel (Level IIIA) for the Chevrolet Traverse

- Angel Armor brand label



▲ Figure 8. Angel Armor brand label

- Isopropyl alcohol wipe



▲ Figure 9. Isopropyl alcohol wipe

INSTALLATION

This section provides instructions for installing Angel Armor Avail Ballistic Door Panels (Level IIIA) into the Chevrolet Traverse Vehicle (2024 & newer models).

Overview

Installation of Angel Armor Avail Ballistic Door Panels (Level IIIA) into the Chevrolet Traverse is accomplished quickly and easily. See Procedure on page 7 for detailed instructions.

General Installation Procedure

- 1** Remove outer window weatherstrip.
- 2** Remove door trim panel.
- 3** Install and secure Angel Armor Ballistic Door Panel.
- 4** Reinstall door trim panel and outer window weatherstrip.

Important Notes

- The directions, photographs and illustrations in this guide depict an installation performed on the driver's side. The same installation procedure applies to the passenger door.

NOTE: The anti-abrasion panel faces the interior of the vehicle for both the driver-side and passenger-side Ballistic Door Panels.

- Note the location of screws and door components before disassembling to aid proper re-assembly after panel installation.
- Place all removed hardware and components in a safe place during installation.
- Angel Armor Avail Ballistic Door Panels are semi-rigid, which allows them to be bent slightly for easy installation. To help prevent damage to the Ballistic Door Panels, do not bend them tighter than a 6" radius (12" diameter).
- Firm pressure may be needed to clear minor obstructions during insertion of the ballistic panels, but never use excessive force. Excessive force may damage internal door components.
- Bypass obstructions inside the door, such as crash bars or window attachment brackets, by angling the panel during insertion or by removing and re-inserting the ballistic panel, as described in Inserting the Ballistic Door Panel, on page 8.

PROCEDURE

Complete the following steps to properly install Angel Armor Avail Ballistic Door Panels (Level IIIA) for Chevrolet Traverse (2024 & newer).

Removing the Outer Window Weatherstrip

- 1 Roll the window completely down.
- 2 Remove the T15 Torx screw at the rear of the outer window weatherstrip.



▲ Figure 10. Location of Torx screw holding outer window weatherstrip

- 3 Lift the rear end of the weatherstrip and slide it out.

Removing the Interior Door Trim

- 1 Using a pick tool, remove the rubber liner inside the door handle pocket.
- 2 Remove the two screws in the handle pocket using a 7mm socket.



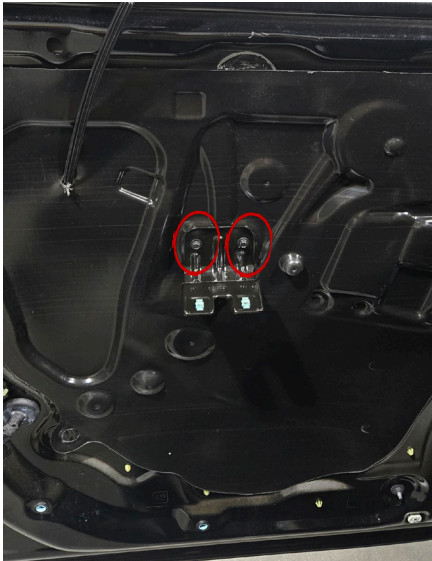
▲ Figure 11. Location of 7mm screws in the handle pocket

- 3 Remove the screw at the bottom of the door using a 7mm socket.



▲ Figure 12. Location of 7mm screw at the bottom of the trim panel

- 4 Starting in one of the bottom corners, remove the interior door trim with assistance from the trim pry tool.
- 5 Remove the two screws from the metal bracket in the center of the door.



▲ Figure 13. Interior of vehicle door once interior trim panel is removed

- 6 Remove the vapor barrier.

NOTE: Be careful to not rip the vapor barrier as it is removed.

Inserting the Ballistic Door Panel

- 1 Bend the bottom of the ballistic panel in the direction of the curve of the door. This should match the contour of the door to ease installation.

NOTE: Do not bend the ballistic door panel tighter than a 6" radius.

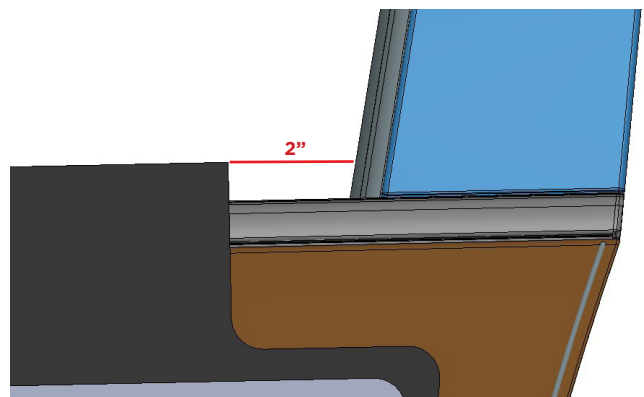
- 2 Hold the ballistic door panel with the plastic anti-abrasion layer facing the interior of the vehicle.

- 3 Insert the door at a 90° angle.



▲ Figure 14. Beginning stage of panel insertion

- 4 Use the opening at the interior of the door to assist the panel past the crash bar.
- 5 Once the ballistic panel is mostly inserted, rotate the panel so that the nylon tab is showing through the window opening.
- 6 Slide the panel towards the handle side of the door. The correct installation of the door has the nylon fold resting 2" from the rear window track.



▲ Figure 15. CAD render showing final nylon placement

- 7** Work the ballistic panel backwards firmly to clear any obstructions.

NOTE: Never use excessive force in moving the ballistic panel, as this can damage internal door components.

- 8** Fold the top 0.5" of nylon over the outer edge of the door skin.

Completing Installation

- 1** Reinstall the outer window weatherstrip.
- 2** Verify that no nylon is exposed below or around the window trim.
- 3** Replace the T15 Trox screw at the rear end of the weatherstrip.
- 4** Reinstall the interior door trim and all mounting hardware.
- 5** Ensure that all window and speaker functions are intact.

NOTES:

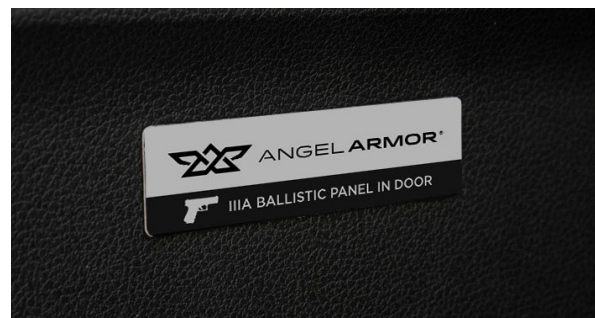
- Work the ballistic panel backwards firmly to clear any obstructions, but never use excessive force, which may damage internal door components or puncture the ballistic door panel's weatherproof covering. It may be useful to shimmy the ballistic panel side to side while pushing backwards to move it into position.
- If the ballistic panel will not seat fully backward, shift the panel forward and move the door wiring harness to manually position.
- Verify that the ballistic panel is properly positioned ensuring the panel is 2 inches from the rear of the window frame, and

the crease in nylon fold at the top of the ballistic door panel aligns with and folds over the top edge of the window frame.

- If the ballistic door panel is not properly positioned, repeat steps 1 through 8 of the previous section.

- 6** Attach the Angel Armor brand label to the interior door panel by completing the following procedure:

- A** Clean the attachment location on the door with isopropyl alcohol.
- B** Allow the door surface to dry completely.
- C** Remove backing from the brand label.
- D** Apply the brand label to the door, pressing for at least 30 seconds to ensure proper adhesion.




▲ Figure 16. Angel Armor brand label

INSTALLATION COMPLETE:

Your vehicle is now equipped with advanced ballistic protection from Angel Armor.

REMOVAL OR DECOMMISSION


This section describes the process for removing the Ballistic Door Panel for decommission or transfer to another vehicle.

- 1** Roll the door window up to 2" from the fully closed position.
- 2**  **Disconnect the vehicle battery to avoid accidental airbag deployment.**
- 3** Follow the steps in reverse order described in:

Removing outer window weatherstrip (pg. 7)

Removing the interior door trim (pg. 7)

- 4** Grip the nylon folds at the top edge of the Ballistic Door Panel.
- 5** Slide the Ballistic Door Panel toward the front of the door, and then rotate up to remove it from the door. Be sure to align the Ballistic Door Panel with the vertical window frame for easier removal.

 Avoid tearing the Ballistic Door Panel's weatherproof cover by pushing the panel toward the interior of the vehicle before lifting it out of the door.
- 6** If removing the Ballistic Door Panel for transfer to another vehicle, inspect the panel after removal. Contact Angel Armor with any concerns about wear or damage.