

# BALLISTIC DOOR PANELS (LEVEL IIIA)



## INSTALLATION GUIDE

### DODGE® CHARGER PURSUIT (2011 & NEWER MODELS)



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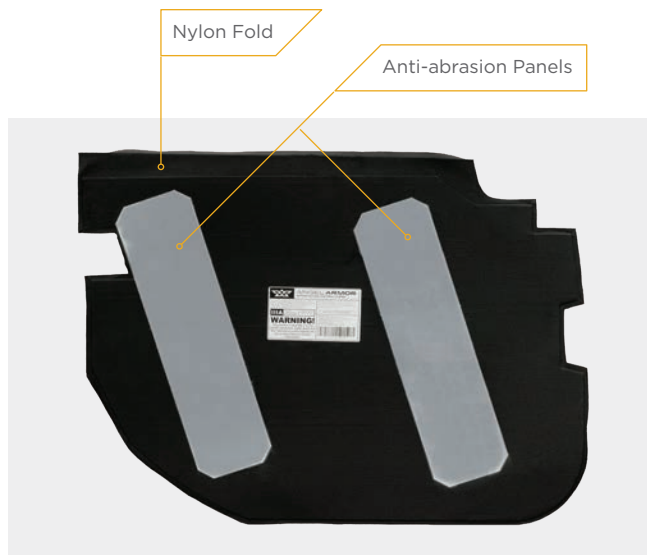
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## INTRODUCTION

Congratulations on your purchase of the Angel Armor™ Ballistic Door Panel (Level IIIA) for the Dodge® Charger Pursuit! It's our honor to provide advanced protection to those who put their lives 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 Ballistic Door Panels elevate protective technology to a higher level.



▲ Figure 1. Angel Armor Ballistic Door Panel (Level IIIA) for the Dodge® Charger Pursuit

## Product Description

Angel Armor 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 protocols. Angel Armor Ballistic Door Panels (Level IIIA) for the Dodge Charger Pursuit exceed NIJ Standard 0108.01 protocols for multi-round protection and offer a 5-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 Ballistic Door Panels (Level IIIA) for the Dodge Charger Pursuit require no additional brackets or fasteners, and eliminate the need to remove the interior door panel or window glass. The ballistic door panel is inserted into the door, adjacent to the window glass. 1 Torx screwdriver is the only tool required.

Installation into Dodge Charger Pursuit law enforcement vehicles takes as little as 90 seconds for experienced installers. The average user installation takes only 5 to 15 minutes.







Watch an installation in action at [www.AngelArmor.com](http://www.AngelArmor.com).






## Warnings and Cautions

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



**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 excessive force when inserting the ballistic door panel into the car door. Excessive force may damage the ballistic door panel or internal door components.
-  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 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, such as the moisture barrier. 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.

## 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.

## TOOLS & PARTS LIST

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

### Installation Kit Contents

This section lists the ballistic panel type and all parts included with it.

- Angel Armor Ballistic Door Panel (Level IIIA) for Dodge Charger Pursuit
- Angel Armor brand label



▲ Figure 2. Angel Armor Ballistic Door Panel (Level IIIA) for Dodge® Charger Pursuit

### Recommended Tools

This section lists tools to be supplied by the installer.

- Torx T20 screwdriver



▲ Figure 3. Torx T20 screwdriver

## INSTALLATION

This section provides instructions for installing Angel Armor Ballistic Door Panels (Level IIIA) into the Dodge Charger Pursuit (2011 to 2014 models).

### Overview

Installation of Angel Armor Ballistic Door Panels (Level IIIA) into Dodge Charger law enforcement vehicles is accomplished in 3 easy steps. See *Procedure*, on page 7, for detailed instructions.

### General Installation Procedure

- 1 Remove outer window weatherstrip.
- 2 Insert and secure ballistic panel.
- 3 Replace 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 panels face the interior of the vehicle for both the driver-side and passenger-side ballistic panels.
- Note the location of screws, fasteners, wires, 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 Ballistic Door Panels are semi-rigid, which allows them to be bent slightly for easy installation. To prevent damage to the ballistic 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.

## PROCEDURE

Complete the following steps to properly install Angel Armor Ballistic Door Panels (Level IIIA) for Dodge Charger Pursuit.

### Preparing for Installation

- 1 Lower the window glass completely.
- 2 Turn off the vehicle ignition switch and remove the key.
- 3 **⚠️ Disconnect the vehicle battery to avoid accidental airbag deployment.**

### Removing the Outer Window Weatherstrip

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

- 1 Remove the outer window weatherstrip screws at the rear and front ends of the window frame.



▲ Figure 4. Outer window weatherstrip screws

- 2 Pull up on the rear end of the outer window weatherstrip to remove it from the window frame. Work forward along the window frame, pulling up on the trim to remove it completely.



▲ Figure 5. Removing outer window weatherstrip



## Inserting the Ballistic Door Panel

- 1 Bend the bottom of the ballistic panel away from you, pressing with your knee or hand. This creates a slight curve in the ballistic panel that matches the shape of the bottom of the Dodge Charger door and eases installation.

**NOTE:** Do not bend the ballistic door panel tighter than a 6" radius (12" diameter).

- 2 Leading with the front, bottom corner of the ballistic door panel, begin to insert the panel into the door, adjacent to the outer surface of the window glass.



▲ Figure 6. Inserting the ballistic panel into the door

- 3 Insert the panel at an angle, guiding the front, top edge fully into the door, under the side view mirror.
- 4 After the front, top edge is inserted fully as described in step 3 above, rotate the back edge of the ballistic panel down into the door.

- 5 Grip the nylon folds at the top of the ballistic panel when it is inserted the majority of the way into the door.

**NOTE:** Hold the ballistic door panel against the window glass as you insert to avoid obstructions inside the door. This can be achieved by lightly leaning back/pulling the panel out toward the exterior of the door.



▲ Figure 7. Gripping ballistic door panel's top-edge nylon folds

- 6 Slide the ballistic panel forward into its final position. The leading edge of the anti-abrasion panel will likely catch on the vehicle window track. Push on the upper anti-abrasion panel, toward outside of door, while pushing the ballistic panel forward to move it past the window track.

**NOTE:** Work the ballistic panel forward firmly to clear any obstructions, but never use excessive force, which may damage internal door components. It may be useful to shimmy the ballistic panel side to side while pushing forward.



## Inserting the Ballistic Door Panel

### CONTINUED

- 7 Verify that the crease in the nylon fold at the top of the ballistic panel aligns with and folds over the top edge of the window frame.

**NOTE:** If excessive nylon is exposed above the door and the crease does not align with the top edge of the window frame, remove the ballistic panel and repeat steps 1 through 7 of this section. Avoid tearing the ballistic panel's weatherproof cover on the "teeth" inside of door by pushing the ballistic panel toward the interior of the vehicle before lifting it out of the door.



▲ Figure 8. Proper alignment of crease with window frame

## Replacing the Outer Window Weatherstrip and Completing Installation

- 1 Place the front edge of the outer window weatherstrip on the window frame and slide forward into position, aligning the front screw holes of the outer window weatherstrip and window frame.
- 2 Verify that no nylon is exposed below or around the outer window weatherstrip.
- 3 Replace the front outer window weatherstrip screw.
- 4 Press down on the front end of the outer window weatherstrip and move backward, pressing the entire length of the outer window weatherstrip into the window frame.
- 5 Replace the rear outer window weatherstrip screw.
- 6 Verify that all trim and window components are properly re-installed.



▲ Figure 9. Exterior view of properly installed ballistic panel

## Replacing the Outer Window Weatherstrip and Completing Installation

CONTINUED

- 7 Re-connect the vehicle battery.
- 8 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 the backing from the brand label.
  - D Apply the brand label to the door, pressing for at least 30 seconds to ensure proper adhesion.



▲ Figure 10. Attaching 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 Lower the window glass completely.
- 2 **⚠️ Disconnect the vehicle battery to avoid accidental airbag deployment.**
- 3 Follow the procedure described in *Removing the Outer Window Weatherstrip*, on page 7.
- 4 Grip the nylon folds at the top edge of the ballistic door panel.
- 5 Slide the ballistic panel toward the back of the vehicle, and then up, to remove it from the door.
 

**NOTE:** Avoid tearing the ballistic panel's weatherproof cover on the "teeth" inside of door by pushing the ballistic panel toward the interior of the vehicle before lifting it out of the door.
- 6 Follow the procedure described in *Replacing the Outer Window Weatherstrip*, on page 9.
- 7 If removing the panel for transfer to another vehicle, inspect panel after removal. Contact Angel Armor with any concerns about wear or damage.