



ANGEL ARMOR™

# AVAIL™ BALLISTIC DOOR PANELS

NIJ LEVEL IIIA



## INSTALLATION GUIDE

**DODGE® CHARGER PURSUIT  
REAR DOORS  
(2011 & NEWER MODELS)**



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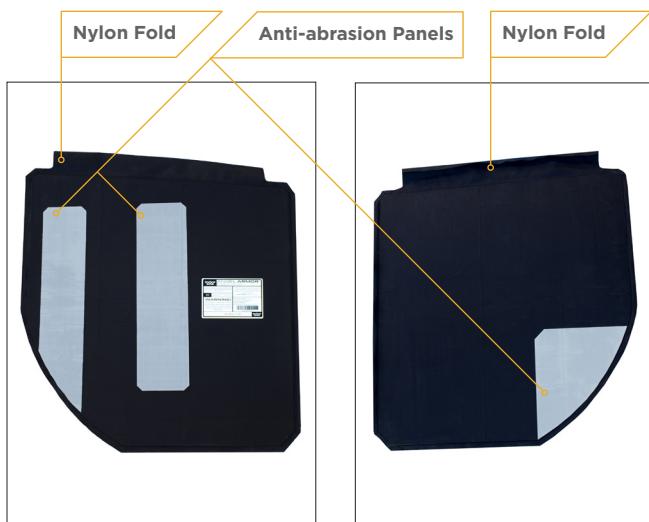
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## INTRODUCTION

Congratulations on your purchase of Angel Armor™ Avail Ballistic Door Panels (Level IIIA) for the Dodge® Charger Pursuit for rear doors! 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, Avail Ballistic Door Panels elevate protective technology to a higher level.



▲ Figure 1. Avail Ballistic Door Panel (Level IIIA) for the Dodge Charger Pursuit Rear Doors. Front of panel displayed.

▲ Figure 2. Avail Ballistic Door Panel (Level IIIA) for the Dodge Charger Pursuit Rear Doors. Back of panel displayed.

## Product Description

Angel Armor Avail Level IIIA Ballistic Door Panels 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. Avail Ballistic Door Panels for the Dodge Charger Pursuit exceed NIJ Standard 0108.01 protocols 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

Avail Level IIIA Ballistic Door Panels 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 door panel is inserted into the door, adjacent to the window glass. One Torx screwdriver and an installation tool are the only tools required.

Installation into Dodge Charger Pursuit 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 [angelarmor.com](http://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 PANEL, INTERNAL DOOR COMPONENTS OR CAUSE VISIBLE EXTERNAL DAMAGE TO THE DOOR.**

**⚠** 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.

**⚠** Avoid tearing the weatherproof cover on the “teeth” inside of the door when removing the Ballistic Door 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 tools recommended for installation and the parts included in the installation kit.

### Installation Kit Contents

- Avail Ballistic Door Panel (Level IIIA) for Dodge Charger Pursuit (2011 and Newer Models) Rear Doors



▲ Figure 3. Angel Armor Ballistic Door Panel (Level IIIA) for Dodge® Charger Pursuit

- Installation Tool



▲ Figure 4. Installation tool

- Angel Armor Brand Label



▲ Figure 5. Angel Armor Brand Label

- Isopropyl Alcohol Wipe



▲ Figure 6. Isopropyl Alcohol Wipe

### Recommended Tools

- Torx T-20 Screwdriver



▲ Figure 7. Torx T-20 Screwdriver

## INSTALLATION

This section provides instructions for installing Avail Ballistic Door Panels into the Dodge Charger Pursuit rear doors.

### Overview

Installation of Avail Ballistic Door Panels into Dodge Charger Pursuit 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 Door 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 rear door. The same installation procedure applies to the passenger's side rear door.

**NOTE:** The product label faces the interior of the vehicle for both the driver-side and passenger-side rear door Ballistic Door Panels.

- Note the location of screws, fasteners, wires and door components before disassembling to aid proper re-assembly after Ballistic Door Panel installation.
- Place all removed hardware and components in a safe place during installation.
- Avail Ballistic Door Panels are semi-rigid, which allows them to be bent slightly for easy installation. To prevent damage to the panels, do not bend them tighter than a 6" radius (12" diameter).

**⚠ PRESSURE MAY BE NEEDED TO CLEAR MINOR OBSTRUCTIONS DURING INSERTION OF THE BALLISTIC DOOR PANELS, BUT NEVER USE EXCESSIVE FORCE. EXCESSIVE FORCE MAY DAMAGE INTERNAL DOOR COMPONENTS OR CAUSE VISIBLE EXTERNAL DAMAGE TO THE DOOR.**



## PROCEDURE

Complete the following steps to properly install Avail Ballistic Door Panels for Dodge Charger Pursuit rear doors.

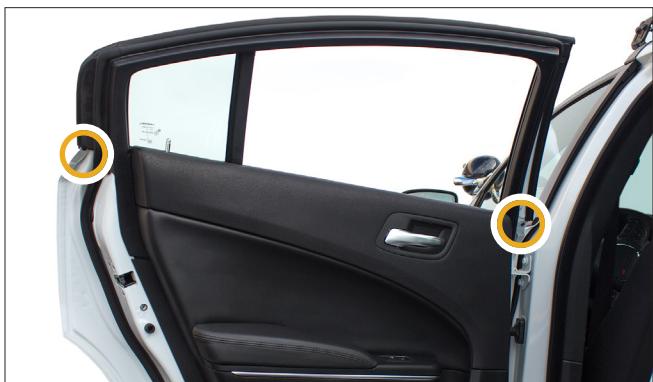
### Preparing for Installation

- 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

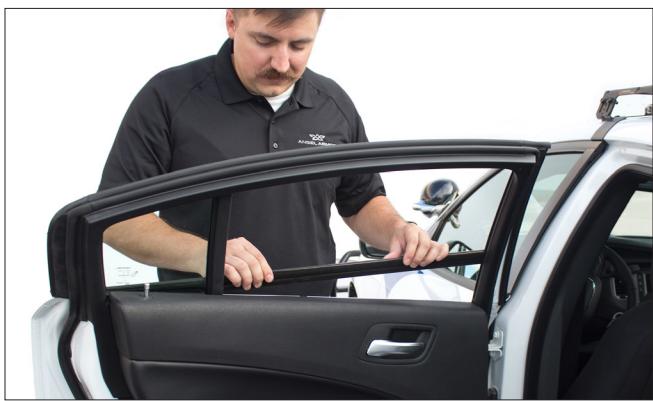
⚠ Use caution when removing parts that may have sharp edges, such as the outer window weatherstrip.

- 1** Using a Torx T-20 screwdriver, remove the outer window weatherstrip screws at the rear and front ends of the window frame.



▲ Figure 8. Outer window weatherstrip screws

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



▲ Figure 9. Removing outer window weatherstrip

## Inserting the Ballistic Door Panel

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



▲ Figure 10. Bending the Ballistic Door Panel

**NOTE:** Do not bend the Ballistic Door Panel tighter than a 6" radius (12" diameter).

**2** Insert the included installation tool into the window frame on the outer window face. This install tool helps the Ballistic Door Panel clear the internal door components for an easier installation.



▲ Figure 11. Inserting installation tool



▲ Figure 12. Final placement of installation tool

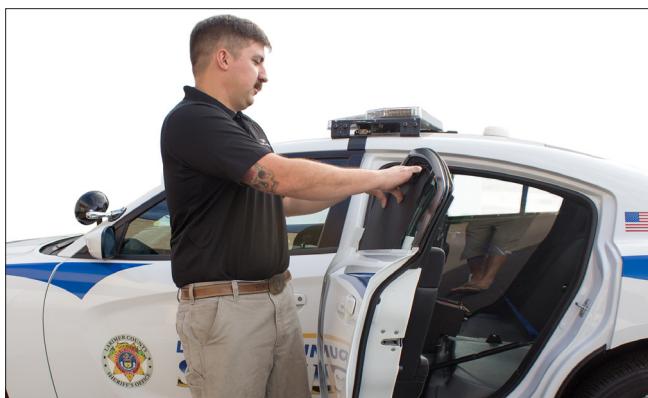
**3** Standing on the outside of the door, begin to insert the panel into the door, adjacent to the outer surface of the window glass.



▲ Figure 13. Inserting Ballistic Door Panel

**4** Continue to insert the Ballistic Door Panel into the door, holding the panel against the window glass to avoid obstructions inside the door. This can be achieved by leaning back/pulling the panel out toward the exterior of the door.

**⚠ Leaning back while inserting the panel into the door is a critical installation step; not following the process outlined above may cause exterior damage to the door.**



▲ Figure 14. Leaning back/pulling Ballistic Door Panel toward exterior of the door

**5** Grip the nylon folds at the top of the Ballistic Door Panel when it is inserted the majority of the way into the door, and remove the installation tool.



▲ Figure 15. Removing the panel installation tool

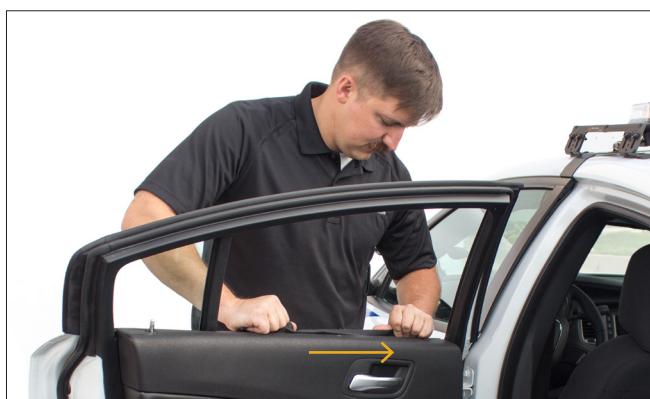
**6** Once the tool is removed, slide the remainder of the panel down into the door until the nylon folds are positioned properly on the window frame.



▲ Figure 16. Proper position of nylon folds when Ballistic Door Panel is slid all the way down

**7** Slide the Ballistic Door Panel forward until the nylon fold is approximately 3/4 - 1 inch from the front window frame. The leading edge of the anti-abrasion panel will likely catch on the vehicle window track. Push the panel toward the outside of the door while pushing the panel forward to move it past the window track.

**⚠ Work the Ballistic Door Panel forward firmly to clear any obstructions, but never use excessive force, which may damage internal door components or cause visible external damage to the door. It may be useful to shimmy the Ballistic Door Panel side to side while pushing forward.**



▲ Figure 17. Sliding Ballistic Door Panel forward

## Inserting the Ballistic Door Panel

CONTINUED

**8** Verify that the panel is in its final position by ensuring the panel is 3/4 - 1 inch from the front of the window frame, and the crease in the nylon fold at the top of the Ballistic Door 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 panel and repeat steps 1 through 7 of this section. Avoid tearing the Ballistic Door Panel's weatherproof cover on the "teeth" inside of door by pushing the panel toward the interior of the vehicle before lifting it out of the door.



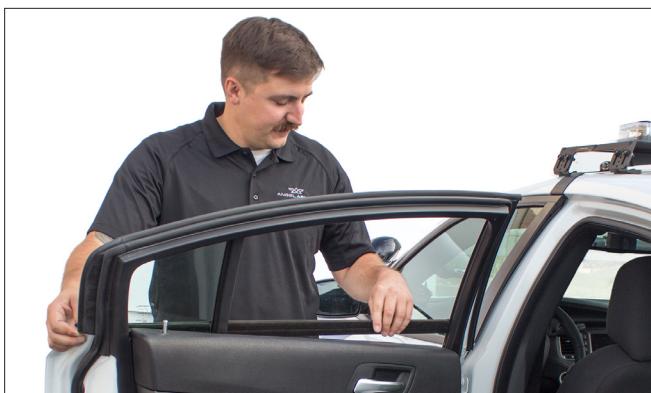
▲ Figure 18. Verifying the panel is 3/4 - 1 inch from the front of the window frame



▲ Figure 19. Final placement of Ballistic Door Panel

## Replacing the Outer Window Weatherstrip and Completing Installation

**1** Place the rear edge of the outer window weatherstrip on the window frame and slide rearward into position, aligning the rear screw hole of the outer window weatherstrip and window frame.



▲ Figure 20. Replacing the window weatherstrip

**2** 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.

**3** Verify that no nylon is exposed below or around the outer window weatherstrip.

**4** Using a Torx T-20 screwdriver, replace the front outer window weatherstrip screw. Using a Torx T-20 screwdriver, replace the rear outer window weatherstrip screw.

**5** Verify that all trim and window components are properly re-installed.

## Replacing the Outer Window Weatherstrip and Completing Installation

CONTINUED

- 6 Re-connect the vehicle battery.
- 7 Cycle the window to check for obstruction and proper panel placement.
- 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 the supplied isopropyl alcohol wipe.
  - 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 21. Applying the 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 Dodge Charger Pursuit.

- 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 panel toward the back of the vehicle, and then up, to remove it from the door.

**NOTE:** Avoid tearing the Ballistic Door Panel's weatherproof cover on the "teeth" inside of door by pushing the 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 10.
- 7 If removing the panel for transfer to another vehicle, inspect panel after removal. Contact Angel Armor with any concerns about wear or damage.