ANGEL ARMOR®

AVAIL®
BALLISTIC DOOR PANELS
NIJ LEVEL IIIA

INSTALLATION GUIDE

DODGE® CHARGER PURSUIT FOR FRONT DOORS
(2011 & NEWER MODELS)

DODGE

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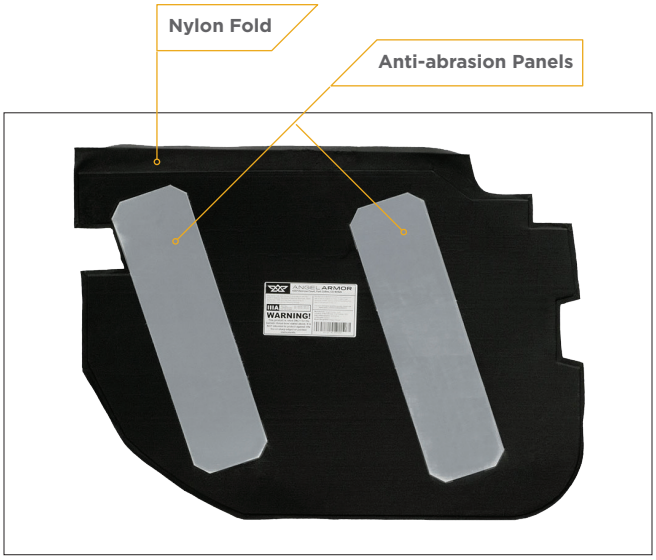
INTRODUCTION

Congratulations on your purchase of Angel Armor® Avail® Ballistic Door Panels (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 Avail Ballistic Door Panels elevate protective technology to a higher level.



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

Product Description

Angel Armor Avail 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. Angel Armor 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

Angel Armor Avail 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 Ballistic Door Panel is inserted into the door, adjacent to the window glass. One Torx screwdriver is the only tool 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.

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.

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 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.

Recommended Tools

- Torx T-20 Screwdriver

Figure 2. Torx T-20 Screwdriver

Installation Kit Contents

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

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

- Angel Armor Brand Label

Figure 4. Angel Armor Brand Label

- Isopropyl Alcohol Wipe

Figure 5. Isopropyl Alcohol Wipe

INSTALLATION

This section provides instructions for installing Angel Armor Avail Ballistic Door Panels into the Dodge Charger Pursuit (2011 & Newer models).

Overview

Installation of Angel Armor 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. 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 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.

- Angel Armor 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 VISIBILE EXTERNAL DAMAGE TO THE DOOR.

PROCEDURE

Complete the following steps to properly install Angel Armor Avail Ballistic Door Panels 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 6. 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 7. 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.

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

2 Standing on the outside of the door and 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.

NOTE: To give visual perspective, Figure 6 shows the installer standing on the inside of the door. However, we recommend standing on the outside of the door when completing step 2 to minimize the possiblity of external damage to the door.

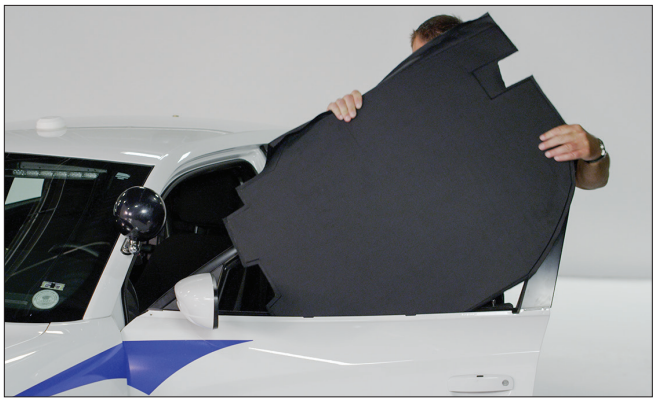


Figure 8. Inserting the Ballistic Door Panel into the door

3 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.

4 Insert the panel at an angle, guiding the front, top edge fully into the door, under the side view mirror.

5 After the front, top edge is inserted fully as described in step 3 above, rotate the back edge of the Ballistic Door Panel down into the door.

6 Grip the nylon folds at the top of the Ballistic Door Panel when it is inserted the majority of the way into the door.

Figure 9. Gripping Ballistic Door Panel's top-edge nylon folds

7 Slide the Ballistic Door 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 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.

Inserting the Ballistic Door Panel
CONTINUED

8 Verify that 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 8 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 10. 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 11. Exterior view of properly installed Ballistic Door 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 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 12. 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 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 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.