



# ENLIGHT™

TRANSPARENT WINDOW ARMOR

NIJ LEVEL IIIA



## INSTALLATION GUIDE

for front driver and  
passenger-side windows

As shown on  
**Ford® Police Interceptor Utility**  
(2013 & NEWER MODELS)



Also compatible with  
**Ford Explorer**  
(2011 & NEWER MODELS)



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## INTRODUCTION

Congratulations on your purchase of the Angel Armor™ Enlight Window Armor (Level IIIA) for Ford Police Interceptor SUV (2013 & Newer Models)! 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 an innovative design, superior coverage and simple installation, Enlight Window Armor elevates vehicle protection to a higher level.**

## Product Description

Enlight Window Armor is made of a unique, ballistic-grade polycarbonate laminate. This solution features an anti-scratch layer that eases cleaning, resists marring and helps prevent damage from invasive chemicals. The armor bracket is made from a premium aircraft-grade aluminum with an anodized coating for a flawless finish that integrates seamlessly with existing vehicle trim.

Enlight features a drop-in installation that provides defense against multi-round NIJ Level IIIA threats while allowing for civilian interaction and engagement. The window armor does not interfere with door functionality or require removal of the existing window, and no additional hardware is needed. Enlight Window Armor is designed to pair with Avail™ Ballistic Door Panels to create a vehicle armor package that offers the security of full-door, NIJ Level IIIA coverage.

**Enlight exceeds NIJ Standard 0108.01 protocol for multi-round protection and offers a five-year express limited warranty. Within this period, the window armor may be removed and transferred to another vehicle of the same make and model without violating the warranty.**



▲ Figure 1. Angel Armor Enlight Window Armor (Level IIIA) for Ford Police Interceptor SUV (2013 & Newer Models)

## Installation Overview

The window armor installation shown in this guide was performed on the front driver-side window of a Ford Police Interceptor SUV (2013 and newer models). The installation process is the same for Interceptor SUV front passenger-side windows and front driver and passenger-side windows of 2011 & newer models of the Ford Explorer. Installation for the Interceptor SUV takes as little as 60 seconds for experienced installers. The average user installation takes only 2 to 3 minutes.

Enlight Window Armor features a drop-in, tool-free installation. Simply place the armor bracket in the groove between the door panel and the existing window, place the window armor in the bracket and lock the handles for secure placement. Decommission is just as fast and easy, featuring quick-release handles for hassle-free removal.

## Warnings and Cautions

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

- ⚠ Read this guide in its entirety before beginning installation.
- ⚠ Wear appropriate protective gear, including eye and hand protection.
- ⚠ Avoid excessive force when inserting the window armor into the car door. Excessive force may damage the weather stripping or scratch finished surfaces.
- ⚠ 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 window armor parts or components.
- ⚠ Use caution when installing or removing the window armor. When the camming system is not engaged, unsupported armor can fall out of the bracket.

## Legal Statements

See Warranty and Terms and Conditions for important legal information on [angelarmor.com](http://angelarmor.com). 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 armor.

## PARTS LIST

This section lists the parts included in the installation kit.

### Installation Kit Contents

- Angel Armor Enlight Window Armor (Level IIIA) for Ford Police Interceptor SUV (2013 & Newer Models)



▲ Figure 2. Angel Armor Enlight Window Armor (Level IIIA) for Ford Police Interceptor SUV (2013 & Newer Models)

- Angel Armor Enlight Window Armor Bracket for Ford Police Interceptor SUV (2013 & Newer Models)



▲ Figure 3. Angel Armor Enlight Window Armor Bracket for Ford Police Interceptor SUV (2013 & Newer Models)

## INSTALLATION

Complete the following steps to properly install Angel Armor Enlight Window Armor (Level IIIA) for Ford Police Interceptor SUV (2013 & Newer Models).

### Preparing for Installation

- 1 Open the front driver-side door, and lower the window glass completely.

**⚠ NOTE:** If desired, the window can be left one inch up to help guide proper placement of the armor bracket.



▲ Figure 6. Window glass is lowered

- 2 Turn off the vehicle ignition switch, and remove the key.

### Inserting the Window Armor Bracket

- 1 Properly orient the quick release bracket handles by rotating the handles to a vertical position. The camming mechanism should be free to rotate.



▲ Figure 7. Handles are rotated to a vertical position

- 2 With the bracket handles facing toward the inside of the vehicle, place the back arm of the armor bracket into the groove between the door panel and the window track.

**⚠ Do not place the bracket in the same opening as the window track. Improper placement will hinder window functionality.**

- 3 Following the groove between the door panel and window track, slide the bracket toward the back of the window frame until the door lock post cutout aligns with the door lock post.



▲ Figure 8. Bracket door lock post cutout is aligned with the door lock post

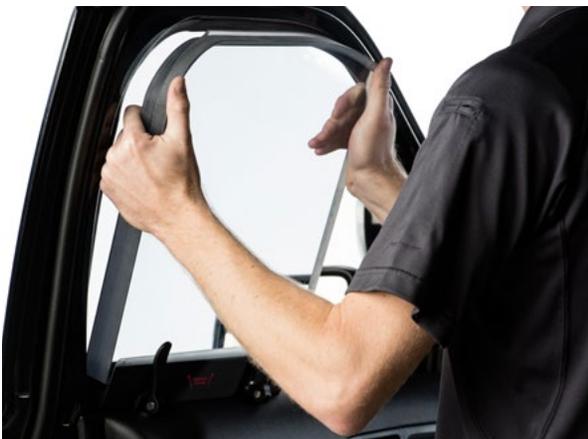
## Inserting the Window Armor

- 1 Hold the window armor so that the cutout along the bottom of the armor faces the interior of the vehicle.
- 2 Standing on the inside of the vehicle, place the window armor into the bracket.



▲ Figure 9. Placing the window armor into the bracket

- 3 Starting with the top edge of the window armor, begin to push the armor through the window opening.



▲ Figure 10. Pushing the armor through the window opening

**⚠ NOTE:** If the weatherstrip along the top of the window frame catches on the armor, use one hand to gently pull up on the weatherstrip as you push the armor through with the other hand.

- 4 Push the armor through the window until the groove along the top of the armor aligns with the weatherstrip along the top of the window frame.



▲ Figure 11. Groove along top of armor is aligned with weatherstrip along top of window frame

**⚠ Be sure the weatherstrip is not curled or wrinkled. The armor may need to be shifted forward or backward slightly to better fit the window frame.**

## Securing the Armor and Completing Installation

- 1 Rotate both handles on the armor bracket inward (opposite of the emergency release arrows) to raise the armor. The cams should show slight resistance while rotating but should not be difficult.



▲ Figure 12. Rotating the bracket handles inward

- ⚠️ If the handles are not moving, do not force them. Instead, move the handles back so the handles are resting vertically and readjust the armor.**

- 2 Apply pressure to the handles until they are fully rotated inward. You should feel the armor 'settle' into position with the camming mechanism.

- 3 After both handles are facing inward, check again to make sure the weatherstrip is seated in the armor groove uniformly along the top of the window frame.



▲ Figure 13. Weatherstrip is seated in armor groove uniformly

- ⚠️ Make sure the top, outer curve along the back of the window frame is not preventing full engagement in the armor groove. See Figure 14 for proper placement. If it is, release the cams and confirm that the bracket and armor are aligned properly.**



▲ Figure 14. Top, outer armor curve is aligned properly

## Securing the Armor and Completing Installation

### CONTINUED

- 4 Flip the handles outward into their locked position to secure the armor in place.



▲ Figure 15. Flipping the bracket handles outward to lock

### INSTALLATION COMPLETE:

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



## REMOVAL OR DECOMMISSION

This section describes the process for removing Enlight Window Armor for decommission or transfer to another vehicle.

- 1 Lower the window glass completely.
- 2 Flip both quick-release bracket handles inward.
- 3 Rotate the handles outward, with the emergency release arrows.
- 4 Using slight pressure, pull the armor toward the inside of vehicle.



▲ Figure 17. Pulling the armor toward the inside of the vehicle

- ⚠ Be sure to secure the armor with both hands while removing; when the camming mechanism is not engaged, the armor may fall out of the window if unsupported.**
- 5 Inspect the weatherstrip to ensure it is seated properly along the window frame. Adjust as needed.
  - 6 If removing the window armor for transfer to another vehicle, inspect the window after removal. Contact Angel Armor with any concerns about wear or damage.