

# INSTALLATION INSTRUCTIONS WGI-F1, F2, F3, F4

## INTERIOR WINDOW GUARDS

### FOR 1994 – 2008 FORD WINDOW VANS

**TOOLS REQUIRED:**

|                       |   |
|-----------------------|---|
| Power Drill           | Ratcheting Wrench                                 |
| 1/8" Drill Bit        | T-50 Torx Bit (for seat belts)                    |
| Phillips Screw Driver | Plastic Cutting Tool (utility knife or tin snips) |
| Metric Socket set     |   |

**HARDWARE:**

| <u>QTY</u> | <u>DESCRIPTION</u>                            | <u>PART#</u>       |
|------------|---|--------------------|
| 115        | #10 x 1/2" Sheet metal screws                 | GSM34185           |
| 30         | #10 X 1 1/4" Sheet metal screws               | GSM33197           |
| 24         | #10 Flat Washer                               | GSM31003           |
| 15         | M4 x 7mm Hex nuts                             | GSM30200           |
| 24         | 1/2" Nylon spacers                            | GSM20095           |
| 2          | Window Latch cover plate                      | WGI-F1-COVER PLATE |
| 2          | T-25 Torx 1/4" Hex Insert OAL Tamperproof Bit | SM10260            |

**SUBASSEMBLY:**

1. Remove seats and seat belts for better access to the windows.
2. Remove plastic trim surrounding the fixed body windows. Save the plastic trim for reinstallation.
3. Determine which guard goes to each window. NOTE: The perforated diamond shaped holes has one side that is smoother than the other. The smoother side goes towards the inside, facing the passenger.

**DOOR WINDOW GUARDS:**

1. In order for guard to fit properly on frame, you must permanently remove the upper plastic trim on doors. The top of the lower door panel may have to be trimmed approximately 1/4" to 1/2". (Note: Place guard on window frame to determine possible trimming). **See section 8 – door window guard does not have cutouts for window latches (making them inoperable).**
2. With the doors open, hold the window screen up to the window/door frame. The guard framework should fit evenly around the window frame.
3. Mark a few holes at the top of the door frame using the predrilled holes on the screen framework as a guide. Do not mark holes for the sides or bottom yet.
4. Put on Safety goggles.
5. Remove window guards and drill holes as marked with a 1/8" drill bit.
6. Attach window screens by using #10 x 1/2" sheet metal screws. Now locate and mark the balance of holes, drill and attach, starting at the top and work your way down.
7. If vehicle has plastic upper door trim, do not reinstall.

### **SIDE SLIDING DOOR WINDOW GUARD (F2-10):**

1. A 14" long aluminum angle bracket is provided to attach to the rear vertical section of the window frame.
2. This is necessary in order to screw on the rear vertical section of window guard.
3. Using four (4) #10 x 1/2" Sheet metal screws, attach angle bracket to frame through existing bracket holes.
  - The side of the bracket without holes should be flush with the inside of the window frame.
  - The window guard can now be installed as stated in section #4. **See section 8 – door window guard does not have cutouts for window latches (making them inoperable).**

### **FIXED BODY WINDOW GUARD:**

1. While holding the cage in place, drill 1/8" pilot holes for mounting screws.
2. Install using #10 x 1/2" sheet metal screws provided.

**NOTE 1: Be careful not to drill into glass. (Use drill stop)**

**NOTE 2: To avoid stripping of holes, do not over tighten.**

**NOTE 3: Some of the trim mounting spring clips may need to be removed to allow screens to meet the window frame easily.**

### **PLASTIC WINDOW TRIM INSTALLATION:**

#### **1. Plastic Trim Spacing:**

- Plastic trim must be spaced out 1/2" to accommodate window guard.
- Remove the top screws from the lower trim panels.  
(These panels should still be in the van).
- Pull out the lower panel just enough to insert the 1/2" nylon Spacers provided with the kit.
- Screw the top of the lower trim panels back on with #10 x 1 1/4" sheet metal screws also provided with the kit.

#### **2. Metal Spring Clip Spacing:**

- **(See diagram 1 on page 4)** There are metal spring clips that hold the upper trim in place. These clips must also be spaced out using the following method.
- Using a 9MM socket, remove the spring clip and nut.
- Immediately reinstall the nuts only.
- Put two #10 washers onto the same bolt on top of the nut.
- Put spring clips on top of the washers.

**NOTE: More washers can be used if needed. Make sure to leave sufficient threads for metric nut.**

- Using a 7MM socket, put the M4 x 7MM nut (supplied in this kit) on the stud to the hold spring clip and washers. Proceed to the next spring clip.
- When all the spring clips are reinstalled, the interior trim can then be reinstalled. Everything should fit neatly.

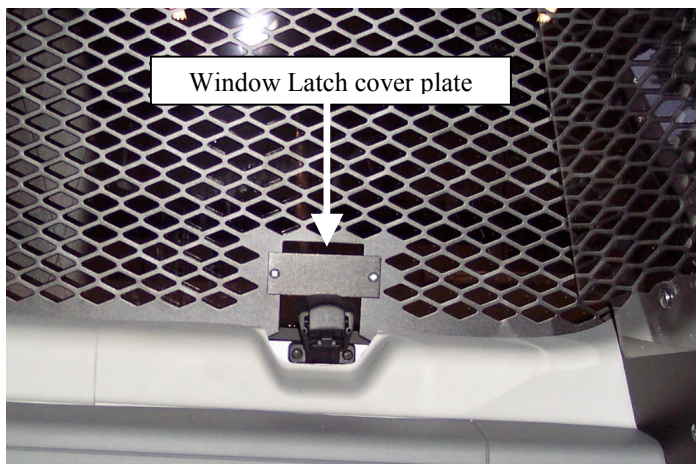
### 3. Notching Plastic:

- The window trim for the first drivers' side window (F1-1) must be cut where the pop out window latches are located.
- Mark the "V" shaped foot print of latch and cut plastic trim. The latches will bolt back against metal at the original location.

### 4. Final Touches:

- The trim sections at the top and at the rear doors may stick out a little at the top where it meets the headliner.
- Use a #10 x 1 ¼" Sheet metal screw to secure it down at the top of the trim.
- Some trim panels between windows may also need sheet metal screws to secure them.
- Attach supplied Window Latch cover plates as shown below using #10 x ½" sheet metal screws as shown below.

**NOTE:** The headliner will push against the window guards. This may cause the headliner to buckle slightly. If desired, the headliner can be carefully trimmed (cut) where it meets the window guard. This will alleviate the buckling headliner.



# FORD VANS

## FULL SIZE VAN WINDOW GUARDS POSITIONS

### MODELS WGI-F1, F2, F3 AND F4

POSITION  
#1

DRIVER  
SIDE  
FIRST  
WINDOW

F1-1

POSITION  
#9

SIDE  
SWING  
OUT  
DOOR F1-9

---

POSITION  
#8

SIDE  
SWING  
OUT  
DOOR F1-8

POSITION  
#10

PASS.  
SIDE  
SLIDE  
DOOR

F2-10

POSITION  
#2

DRIVER  
SIDE  
SECOND  
WINDOW

F1-2

POSITION  
#7

PASS.  
SIDE  
SECOND  
WINDOW

F1-7

POSITION  
#3

DRIVER  
SIDE  
THIRD  
WINDOW

F1-3

POSITION  
#6

PASS.  
SIDE  
THIRD  
WINDOW

F1-6

POSITION #4

DRIVER SIDE  
REAR DOOR

F1-4

POSITION #5

PASSENGER SIDE REAR  
DOOR

F1-5

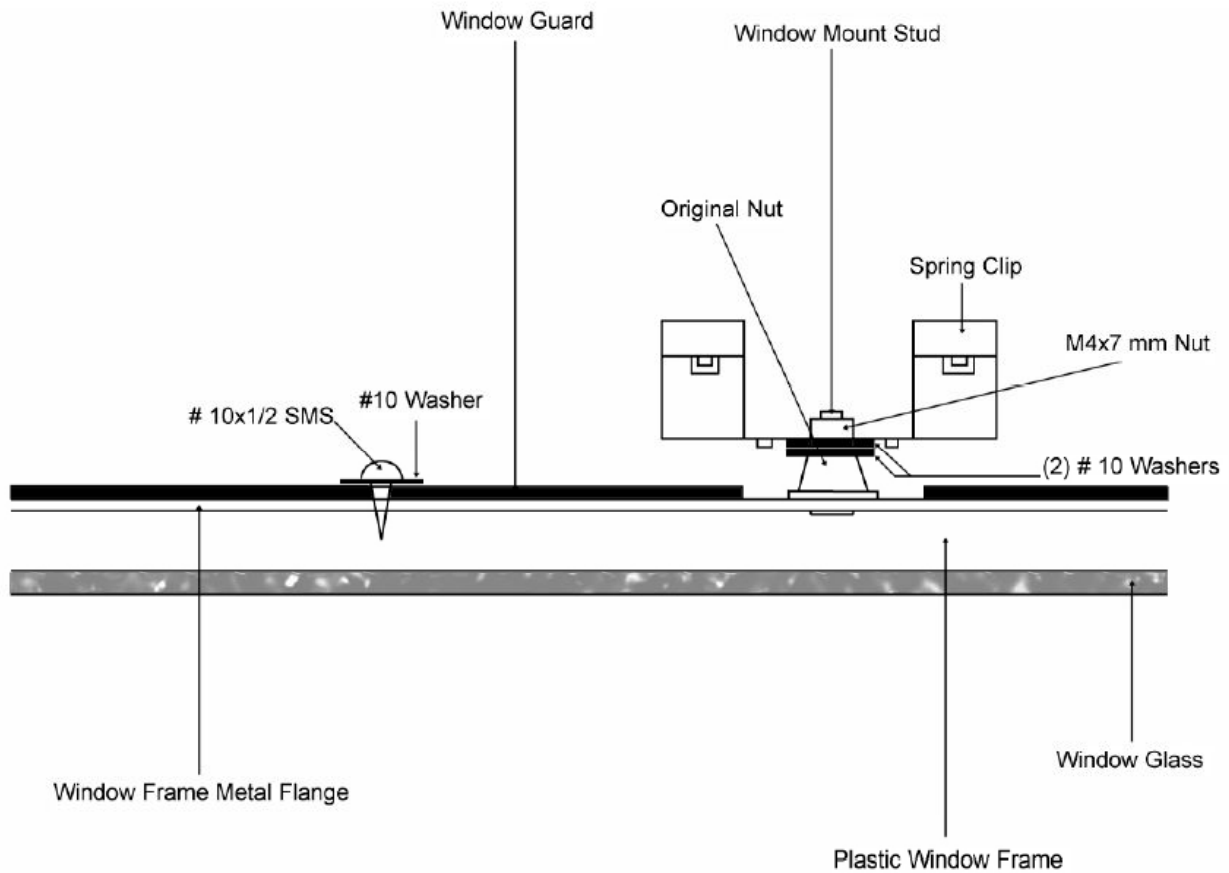
# Window Guard Installation

## Model WGI - F

**Havis Shields**  
Equipment Corporation

### Diagram 1

## Ford Van Interior (Window Cross Section)



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