



# SCREEN DOOR INSTALLATION GUIDE

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# INTRO

Thank you for your interest in TrueVan's screen doors!

Our screen doors elevate your van experience by blocking out unwanted bugs, sun and wind without obstructing your view of the outdoors. We designed our screen doors specifically for:

- **Bug Protection**
- **Easy entry**
- **Shading**
- **Ventilation**
- **Insulation**

The following are the instructions for installation into a Mercedes-Benz Sprinter Van, however, you may follow a similar procedure for the Ford Transit as well as the Ram ProMaster. Please refer to your vehicle's respective maintenance manual for the correct panel removal process to avoid accidental damage to your vehicle.

Our installation kit will help secure our screen doors to your vehicle. However, if you are uncomfortable with performing the installation yourself, please consult a local upfitter or conversion company to complete the installation process for you.

# 01 | TOOLS & PARTS

## SIDE SCREEN DOOR

### Included in installation kit:

- 1 - Side Screen Door
- 2 - plastic vinyl strips
- 2 - ½" PVC weights
- 10 - #8 3/4" Self-Tapping Truss Head Screws
- 1 - long wood mounting plate with holes
- 4 - square wood mounting plates with hole

### Additional tools required for installation:

- Security Torx bits (T25, T30, and T45- used to unfasten factory Mercedes bolts)  
[16Pc Security Torx Bit Set](#)
- Set of Panel Trim Removal Tools  
[KLTECH 4pc Panel Trim Removal Tools](#)
- 4 - Quick Clamps (used to help hold Screen Doors in position)  
[IRWIN QUICK-GRIP Clamps](#))
- Power Drill with Phillips Bit
- Socket Wrench
- 10mm Socket
- 17mm Socket
- Utility Knife or Box Cutter
- Scissors

## REAR SCREEN DOOR

### Included in installation kit:

- 6 - #8 x 3/4" Self-Tapping Truss Head Screws
- 2 - ½" PVC weights

### Additional tools required for installation:

- 1" Blue Painter's Tape
- 3 - Quick Clamps (used to help hold Screen Doors in position)  
[IRWIN QUICK-GRIP Clamps](#))
- Power Drill with Phillips Bit
- Utility Knife or Box Cutter
- Scissors

## 02 | SIDE SCREEN DOOR INSTALLATION

### CEILING PANEL REMOVAL

**NOTE:** Cargo van owners without ceiling panels/headliners may skip ahead to the next section.

For best results, it's recommended to have two people conduct the installation.

1. To remove the middle ceiling panel (the panel closest to the passenger door opening), use a panel removal tool to gently separate the ceiling light cover from the ceiling (fig 2.1). Sprinter LED light covers are pressure mounted and will pop off when enough pressure is applied.
2. Detach the ceiling LED connector by depressing the plastic lever while pulling the connector out. (fig 2.2)
3. Detach the ceiling LED connector by depressing the plastic lever while pulling the connector out. (fig 2.2)
4. Repeat this process to remove all the ceiling lights in the middle ceiling panel
5. Starting from the side of the van and above the window, using a panel puller, separate the ceiling panel from the body. (fig 2.3)

Fig 2.1

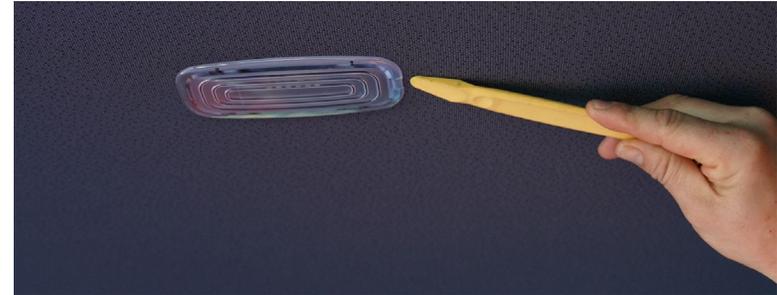


Fig 2.2

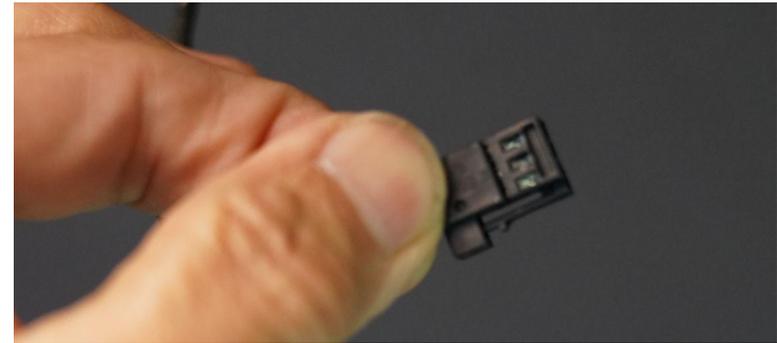


Fig 2.3



6. Once step 4 is complete, move toward the center of the middle ceiling panel where it meets with the rear ceiling panel (fig 2.4). There are several plastic clips holding the panel to the ceiling frame - gently pop these out with the panel pullers to release.

7. Remove the right corner ceiling pin near the sliding door by inserting a panel puller and popping it out by ½" (fig 2.5).

Pull the rest of the ceiling down slowly by reaching in with your arm and providing downward pressure to separate the panel from the body of the van. The rest of the panel is held on with plastic clips similar to the ones in step 5.

**Note:** If any pins break in the removal process, replacements can be purchased from authorized Mercedes dealerships.

Fig 2.4



Fig 2.5



## SEAT BELT PANEL REMOVAL

1. Start by moving the front passenger seat forward as far as possible to provide better clearance to work with.
2. Remove the lower anchor ring of the seat belt panel using a T45 security torx bit. (Fig 2.6)
3. Remove the seat belt anchor using a 17mm socket. (Fig 2.7)
4. Detach the seat belt panel LED connector by depressing the plastic lever while pulling the connector out. (Fig 2.8)

Fig 2.6



Fig 2.7

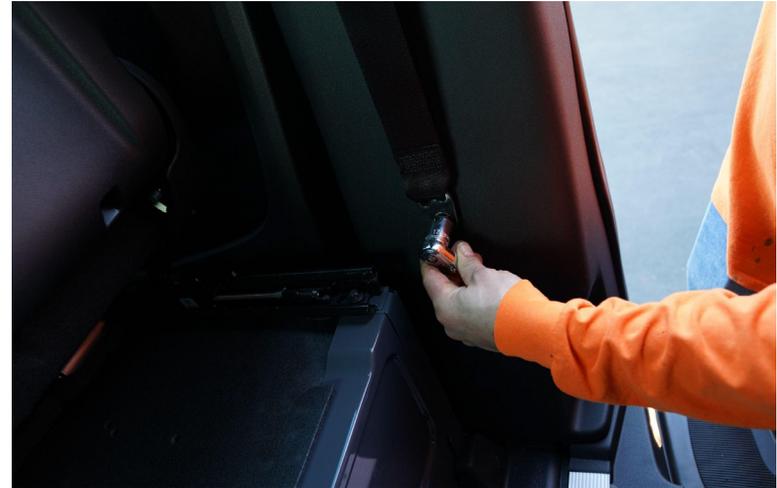


Fig 2.8



5. Remove the rear passenger grab handle by sliding a panel puller between the two halves of the handle and prying off the outer shell (Fig 2.9). Remove the remaining section by unscrewing the two T30 bolts underneath.
6. Remove the coat hanger cover by lifting upward and removing the T25 bolt underneath. (Fig 2.10)
7. Remove the rest of the passenger seat belt panel with a panel pulling tooling by prying from the top seam of the panel (Fig 2.11).
8. Pull the seat belt buckle through the panel opening so that the panel can be separated. (Fig 2.12)

Fig 2.9



Fig 2.10



Fig 2.11

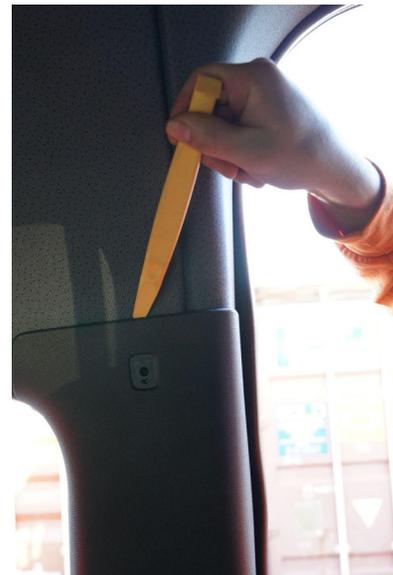


Fig 2.12



Fig 2.14 shows the seat belt panel completely disassembled. Reassembly can be done by reverse order of this process, however, please note that it is important to reinsert the seat belt height adjustment latch into the square ring holder (Fig 2.13). Failure to do so will render the seat belt height adjustment inoperable.

9. Last piece that needs to be removed is the step cap.

Passenger van: removes as a single piece and is fastened on either side of the door frame with a T25 bolt.

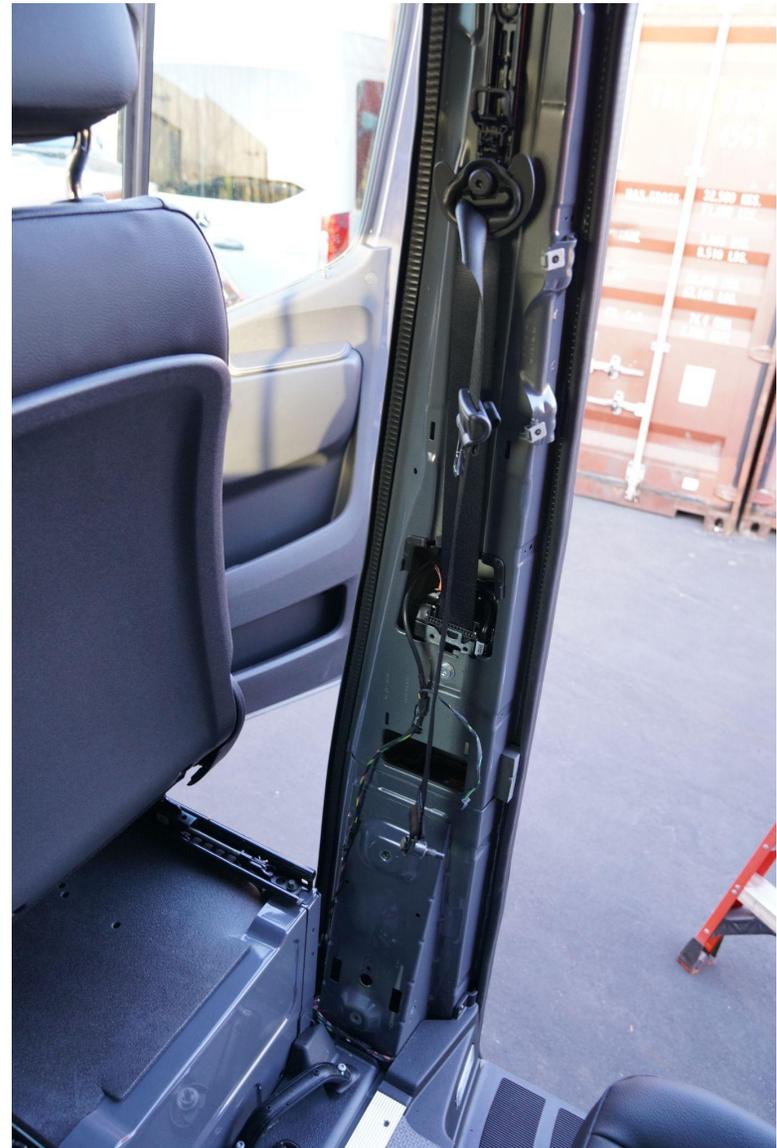
Cargo van: removes as two separate pieces secured with a T25 bolt.

Once this section is complete, we are ready to install the screen door.

Fig 2.13



Fig 2.14



## SCREEN DOOR INSTALLATION

1. Use zip ties to loosely (do not tighten the zip ties) form a loop through the buckle straps in the screen door. The zip ties will allow you to make fine adjustments to the height of the screen door later. (Fig 2.15)
2. Secure the 4 quick clamps using the roof rack rail and the inner passenger door recess (also known as the drain track). Space them roughly to the spacing of the buckle straps on the screen door and hang the screen door from the clamps as seen in Fig 2.16. We will be adjusting the height of the screen in a later step.
3. Locate the outside door frame of the rear passenger door. The center zipper should be roughly 24" from the door frame. Fig 2.17 shows how to measure this distance. Adjust the spacing of the clamps as necessary to achieve this distance.

Fig 2.15



Fig 2.16



Fig 2.17



4. Insert the two ½" electrical tubes into the slots at the bottom of the screen doors. These will help weigh down the screen door to make aligning the bottom easier.
5. With a socket wrench and 10mm socket, remove the nuts from bolts 4, 5, and 6 along the rear passenger door roofline (Fig 2.18).

**IMPORTANT:** Do NOT release all eight bolts at the same time. These bolts hold the door track sliding rail in place and removal of all bolts can result in misalignment of the sliding door!

6. Raise the screen door so that there is roughly a ¼" gap between the floor and the bottom of the screen door. Using a utility knife, cut a corresponding vertical slot for each bolt on the screen door at the proper height like in Fig 2.19. Slide the screen door over the bolts. A vertical slot gives you some tolerance to move the screen up and down as needed.

Place the long wooden strip with three hole cutouts over the bolts and fasten it down with the nuts removed from step 5.

**Pro tip:** Finger tighten the nuts to allow for some small adjustments to the height of the screen door. ALWAYS align the screen by referencing the bottom edge of the screen door. The top of the door opening is not always parallel with the bottom and can lead to misalignment.

7. Repeat steps 5 & 6 with the bolts numbered 2, 3, 7, and 8 in fig. 2.18. Use the individual wood washers for these nuts. We recommend doing these one at a time so the door track is always secured.

Fig 2.18

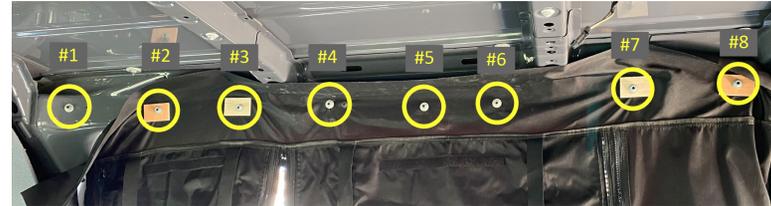


Fig 2.19



8. Once the top of the screens are secured we can move on to the rearward portion of the screen.

Wrap a portion of the rear screen around the plastic strips in your installation kit as indicated in Fig. 2.20

9. Use the  $\frac{3}{4}$ " self tapping screws to secure the screen to the body of the van. Ensure that the screws are going through both the curtain and the plastic strip and try to maintain a straight, vertical orientation. (Passenger vans can screw directly into the plastic shroud of the van if preferred.) We recommend roughly 6" spacing between screws.

The finished result will appear similar to Fig 2.21 from the inside of the van. Screw heads are covered by the screen itself.

Fig 2.20



Fig 2.21



10. Secure the screen door on the front end of the van by using another plastic strip along with the  $\frac{3}{4}$ " self tapping screws to the B-pillar of the van as shown in Fig 2.22. Try to keep the magnets as vertical as possible when securing this area of the screen to the B-pillar.

There is no need to wrap the screen around the plastic strip here as all hardware will be covered by the plastic B-pillar panels.

11. To finalize the installation, use 4 self tapping screws to secure the corner of the screen door into the radius of the door frame in the areas shown in Fig 2.23.
12. Reassembly of the van can be done in reverse order outlined in their respective sections.

**REMINDER:** Reinsert the seat belt height adjustment latch into the square ring holder. To ensure that seat belt height adjustment function remains intact.

Fig 2.23



Fig 2.22



## 03 | REAR SCREEN DOOR INSTALLATION

1. Using 1" blue painter's tape, start taping around the rear door weather seal in such a way that a section of tape will break and remain on the body of the van and a section will remain on the rubber weather gasket. This will act as a guide when reinstalling the gasket after installation is complete. (Fig 3.1)

We use about 5 pieces of tape for reference but more points of reference won't hurt.

2. Remove the top section of the weather gasket from the pinch weld as shown in Fig 3.2.
3. Insert the ½" PVC tubes into the bottom slots of the rear screen door as shown in Fig 3.3.

Fig 3.1



Fig 3.2



Fig 3.3



4. Clamp the screen to the top of the pinch weld of the van. Adjust the screen so that there's roughly only a ¼" gap between the screen and the floor and try to keep the middle zipper as centered to the opening as possible. You can use the brake light and backup camera as a point of reference (Fig 3.4).

We recommend a minimum of 3 quick clamps for this job.

5. Once height and position are finalized, take a box cutter and cut horizontal slits to allow the door latches to pass through. (Fig 3.5)
6. Starting on the left side of the opening, remove sections of the weather gasket and insert portions of the screen door.

DO NOT attempt to pull the screen taut or apply excess pressure as this will result in the zippers being pulled to one side and no longer sit vertically.

Note: When reinstalling the weather gasket, make sure to carefully align the tape markers we made in step 1. We've found being off by more than ½" in either direction can result in the gasket not sitting correctly within the door frame.

7. Repeat step 6 for the right side of the opening.

Fig 3.4



Fig 3.5



8. Optional: Once the sides of the screen door are installed, you can further secure the screen door by using  $\frac{3}{4}$ " self tapping screws to fasten them to the pinch welds.
9. Remove the quick clamps and pinch the screen door between the weather gasket and pinch weld similar to steps 6 and 7.
10. Finish the installation by trimming off any excess fabric with a utility knife.