



INSTALLATION GUIDE

SPRINTER SLIDER DOOR GRAB HANDLE

SP0149B



TOOLS REQUIRED (NOT INCLUDED)

+ AUTO PANEL REMOVAL TOOL	+	FLUSH-CUTTERS
+ MARKER	+	17MM WRENCH OR SOCKET
+ CENTER PUNCH	+	5/16" ALLEN WRENCH
+ MALLET	+	5/32" ALLEN WRENCH
+ POWER DRILL	+	3/16" DRILL BIT
+ T25 TORX	+	25/64" DRILL BIT
+ T45 TORX	+	RUST PREVENTATIVE PAINT

INSTALL INFO

TIME TO INSTALL THIS PRODUCT: 1 HOUR

Additional help is suggested for a few of the install steps.

BEFORE YOU START

Please inspect the product and packaging upon delivery to ensure there are no issues and that all parts and hardware are accounted for.

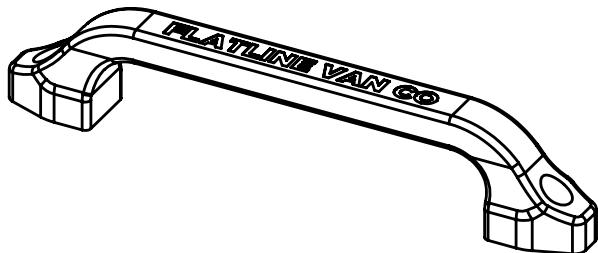
Contact us ASAP if anything is missing at:
support@flatlinevanco.com

BEFORE YOU START

All Flatline Van Co products must be properly assembled and secured before attaching to your vehicle. Improper attachment could result in an automobile accident, and could cause serious bodily injury or death to you or to others involved. You are responsible for assembling and securing Flatline Van Co products to your vehicle, checking the mounting points and attachments prior to use, and regularly inspecting the products for wear and or damage. We always recommend you use a professional to install any aftermarket accessories to your vehicle. If you have no mechanical experience and are not thoroughly familiar with the installation procedures, you must have the product installed by a professional installer or other qualified persons. The responsibility is yours and must be taken seriously for everyone's safety.

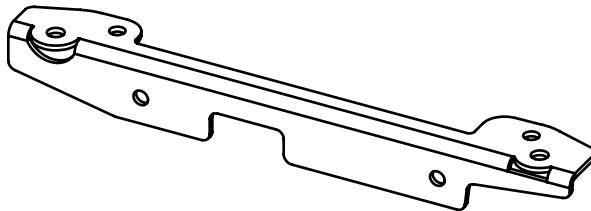


PACKAGE CONTENTS



GRAB HANDLE

QTY: 1



MOUNTING BRACKET

QTY: 1

HARDWARE



1/4-20 X 0.75 FLANGED BUTTON
HEAD HEX DRIVE SCREW

QTY: 4



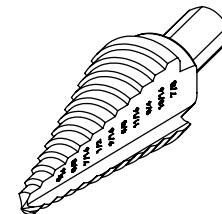
1/4-20 X 0.027-0.165 THK HEAVY
DUTY RIVET NUT

QTY: 4



3/8-16 X 0.750 CONE POINT HEX
DRIVE SET SCREW

QTY: 2



MULTIDIAMETER DRILL BIT

QTY: 1

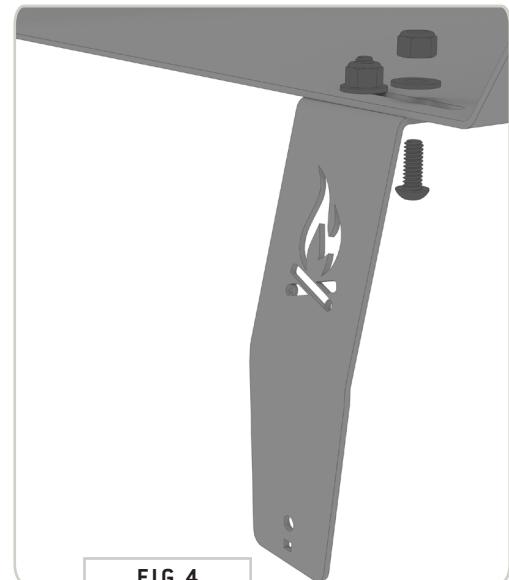
STEP | 01 LAYOUT AND INSTALL PREP

1.1 Locate B-Pillar Panel: Identify the **B-Pillar Panel Trim** along the **Passenger Side** of the van. Slide the seat forward or swivel the seat in such a way that you have the most access to this area **(FIG 1)**.

1.2 Remove Coat Hooks on B-Pillar: Use a **Pry Tool** to gently remove the **Coat Hook Cover** **(FIG 2)** on the **B-Pillar** before using a **T25 Torx** to remove the screws holding the **Coat Hook Brackets** in place **(FIG 3)**.

NOTE - If you have a FVC or Similar Headliner Shelf, you will have to remove one of the brackets that utilize this mounting location **(FIG 4).**

TOOLS REQUIRED FOR THIS STEP: + AUTO PANEL PRY TOOL
+ T25 TORX



STEP | 01 LAYOUT AND INSTALL PREP

1.3 Remove Seatbelt Anchor Bolt: Along the B-Pillar, locate the **Seatbelt Anchor Bolt** as shown in **FIG 5**. Using a **17MM WRENCH OR SOCKET** or **WRENCH**, remove the bolt (**FIG 6**).

1.4 Remove Factory D-Ring: Remove the lower **Factory D-Ring** (**FIG 7**) using a **T45 TORX** (**FIG 8**).

TOOLS REQUIRED FOR THIS STEP:

- + 17MM WRENCH OR SOCKET
- + T45 TORX



FIG 5



FIG 6



FIG 7

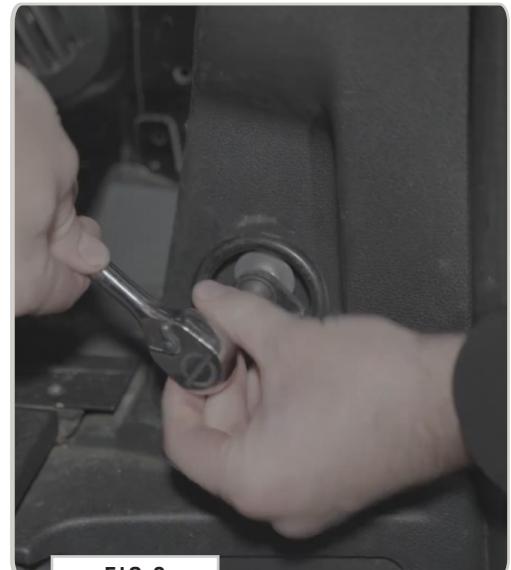
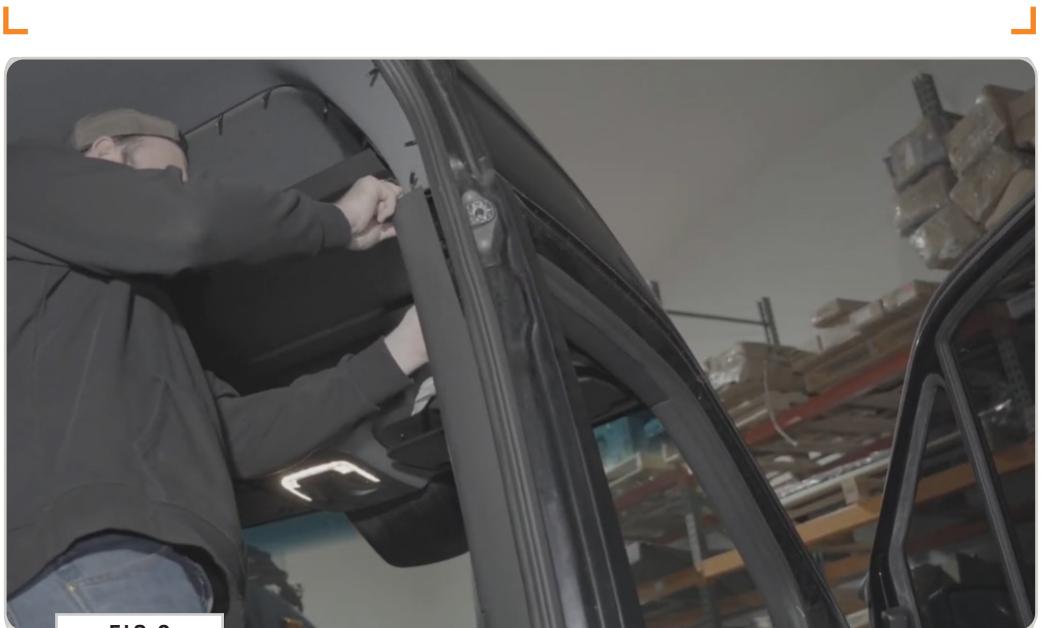


FIG 8

STEP | 01 LAYOUT AND INSTALL PREP

1.5 Remove B-Pillar Trim Panel: Carefully pry the B-Pillar Trim Panel away from the B-Pillar and move it aside for dry-fitting the Grab Handle Mounting Bracket (FIG 9-10).

TOOLS REQUIRED FOR THIS STEP:



STEP | 02 MOCK UP GRAB HANDLE

2.1 Disassemble Grab Handle: Use a 5/16" Allen Wrench to remove the 3/8-16 x 0.75 Socket Head Screws that secure the Grab Handle to the Mounting Bracket (FIG 11-12)

2.2 Thread in Set Screws: Thread in the supplied Set Screws to the Mounting Bosses of the Grab Handle (FIG 13-14).

TOOLS REQUIRED FOR THIS STEP: + 5/16" ALLEN WRENCH



FIG 11

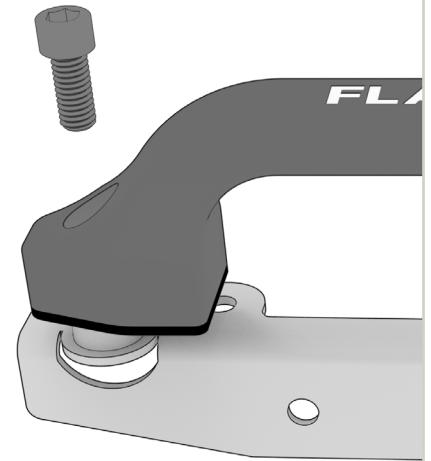


FIG 12



FIG 13

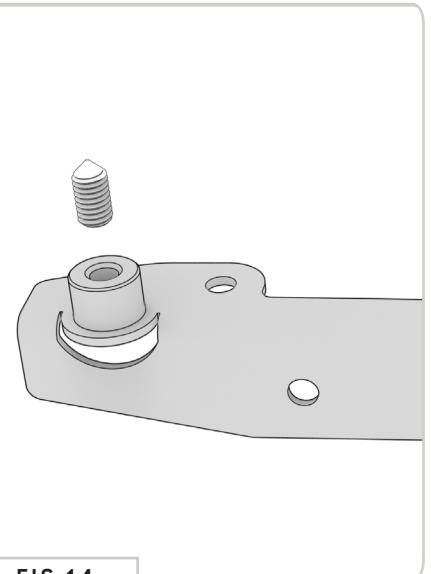


FIG 14

TOOLS REQUIRED FOR THIS STEP: + MARKER

STEP | 02 MOCK UP GRAB HANDLE

2.3 Position Mounting Bracket to B-Pillar: Position the **Mounting Bracket** as shown in FIG 15, matching the contour of the *lower end* of the **Bracket** and **Plastic Edge Guards** that protect the **Seatbelt Retractor**.

NOTE - *Optional*, you **can** select an alternative mounting location as long as it doesn't interfere with any critical components of the seatbelt system. Doing so is at the discretion of the customer and at one's own risk.

2.4 Mark Front Drill Holes: With the **Mounting Bracket** seated firmly in place, mark the holes along the front side of the **Bracket** for drilling (FIG 16).

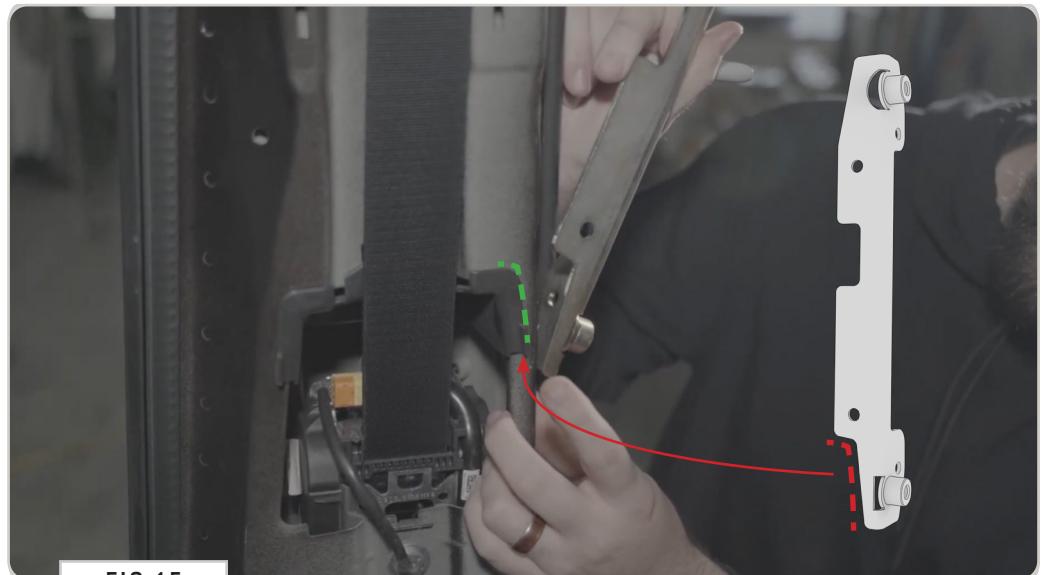


FIG 15



FIG 16

STEP | 03 INSTALL MOUNT BRACKET

3.1 Drill Mounting Holes: Use a **Center Punch** to dent the center of your marks (FIG 17). Drill a pilot hole using a **3/16" Drill Bit** (FIG 18). Expand using a **25/64" Drill Bit** (FIG 19). Clean up the drill hole using a file or countersink and paint with a **Rust Preventative Paint** (FIG 20).

TOOLS REQUIRED FOR THIS STEP:

- + MALLET
- + CENTER PUNCH
- + POWER DRILL
- + 3/16" DRILL BIT
- + 25/64" DRILL BIT



FIG 17



FIG 18



FIG 19



FIG 20

STEP | 03 INSTALL MOUNT BRACKET

3.2 Install Rivet Nuts: Using a **Rivet Nut Tool**, install your **Rivet Nuts** into the drilled holes **(FIG 21)**.

NOTE - *We recommend using a pneumatic or electric drill adapter rivet nut tool for this, although a manual rivet nut tool can work. We like the Astro Tools ADN38 XL model for a drill adapter.*

3.3 Install Mounting Bracket: Temporarily install the **Mounting Bracket** to the installed **Rivet Nuts** using **1/4-20 x 0.75 Flanged Hex Head Screws** **(FIG 21)**.

3.4 Repeat for All Mounting Holes: Using the **Mounting Bracket** as a template, repeat this process for the two additional mounting holes **(FIG 23)**.

TOOLS REQUIRED FOR THIS STEP:

- + RIVET NUT TOOL
- + MALLET
- + CENTER PUNCH
- + POWER DRILL
- + 3/16" DRILL BIT
- + 25/64" DRILL BIT



FIG 21



FIG 22



FIG 23

TOOLS REQUIRED FOR THIS STEP:

- + MALLET
- + FLUSH-CUTTERS

STEP | 04 PREP FOR GRAB HANDLE

4.1 Determine Approximate Mounting Location: Fit the **B-Pillar Panel Trim** back into place over the **Bracket** (FIG 24). You'll notice that it won't properly seat due to the protruding **Set Screws**. Take a mallet and gently tap the plastic to create an indentation that will inform you where to drill your clearance holes (FIG 25-26).

4.2 Trim Panel Fins: Using a knife or set of **Flush-Cutters**, trim off the **Panel Fins** that are in the way of the **Mounting Bosses** (FIG 26).

4.3 Determine Final Mounting Location: After trimming the **Panel Fins**, refit the **Panel Trim** over the **Bracket** and tap the **Set Screws** once more to precisely locate the clearance holes you'll drill out in the next step. Once finalized, remove the **Set Screws**.



FIG 24



FIG 25



FIG 26

STEP | 04 PREP FOR GRAB HANDLE

4.4 Drill Clearance Holes: Using the supplied Step Bit, drill out your clearance holes to a diameter just large enough to clear the **Grab Handle Mounting Bosses** (FIG 27-28).

PRO-TIP: *Clean up the edges of your clearance hole from the inside out using a Deburr Tool (FIG 29).*

4.5 Reinstall B-Pillar Trim: Fit the **B-Pillar Panel Trim** back into place over the **Bracket** (FIG 30). It should seat all the way now that the clearance holes are drilled out. Reinstall **Seat Belt Anchor Bolt, Lower D-Ring and Coat Hook/Cover**.



FIG 27



FIG 28



FIG 29



FIG 30

TOOLS REQUIRED FOR THIS STEP: + 5/16" ALLEN WRENCH

STEP | 05 INSTALL GRAB HANDLE

5.1 Install Grab Handle to Mounting Bracket: Using a 5/16" Allen Wrench, reinstall the Grab Handle to the Mounting Bracket using the retained 3/8-16 x 0.75 Socket Head Hex Drive Screws from Step 2.1 (FIG 31).

5.2 Ensure Grab Handle is Secure: Give your new Grab Handle a hearty pull to ensure it is ready for action!



FIG 31

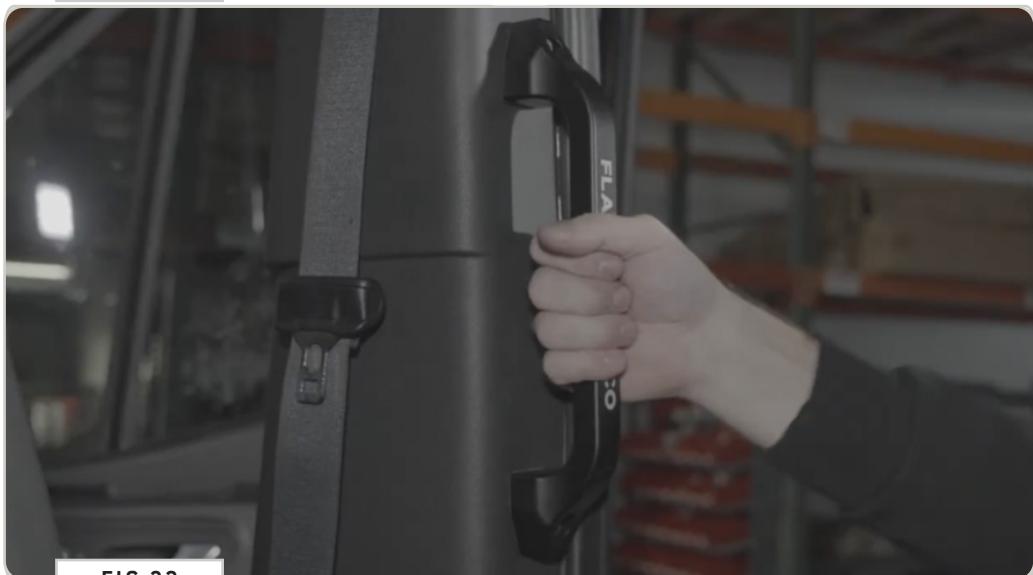


FIG 32

GET OUT AND EXPLORE!

+ LEAVE US A REVIEW

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