



INSTALLATION GUIDE

SPRINTER HOOD STRUT KIT

SP1138B



TOOLS REQUIRED (NOT INCLUDED)

- + 3/16" DRILL BIT
- + POWER DRILL
- + POP RIVET TOOL
- + 10MM WRENCH OR SOCKET
- + 12MM WRENCH
- + 13MM WRENCH + SOCKET

INSTALL INFO

TIME TO INSTALL THIS PRODUCT: 30 MINUTES

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.

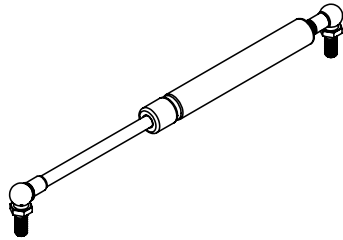
Contact us ASAP if anything is missing at:
support@flatlinevanco.com

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.

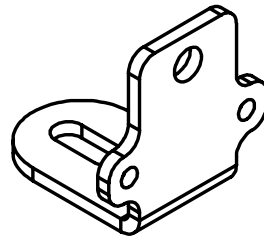


PACKAGE CONTENTS



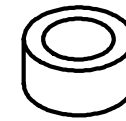
GAS STRUTS

QTY: 2



HOOD STRUT BRACKET

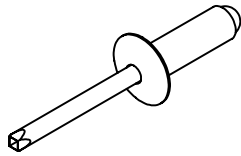
QTY: 2



STRUT MOUNT BUSHING

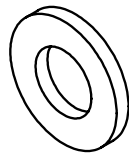
QTY: 2

HARDWARE



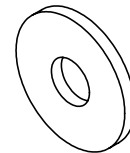
3/16" THK ALUMINUM
BLIND RIVET

QTY: 4



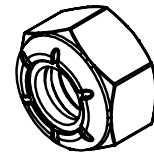
M8 FLAT WASHER

QTY: 2



M8 OVERSIZED FLAT WASHER

QTY: 4



M8 NYLON LOCKNUT

QTY: 4

TOOLS REQUIRED FOR THIS STEP: + AUTO PANEL PRY TOOL

STEP | 01 LAYOUT AND INSTALL PREP

1.1 Open the Hood: Open the hood and prop in the upright position (FIG 1).

NOTE - We like to use a 2x4 cut to about 34 inches. Be sure that it is secure and won't slip out from where it is seated.

1.2 Remove Hood Prop and Hinge Bushing: Locate the Hood Prop and release it from its Support Clip. Once it is swinging freely (FIG 2), simply use a bit of leverage to free it from the Hinge Bushing (FIG 3). Finally, use a Pry Tool to remove the Hinge Bushing (FIG 4).



FIG 1

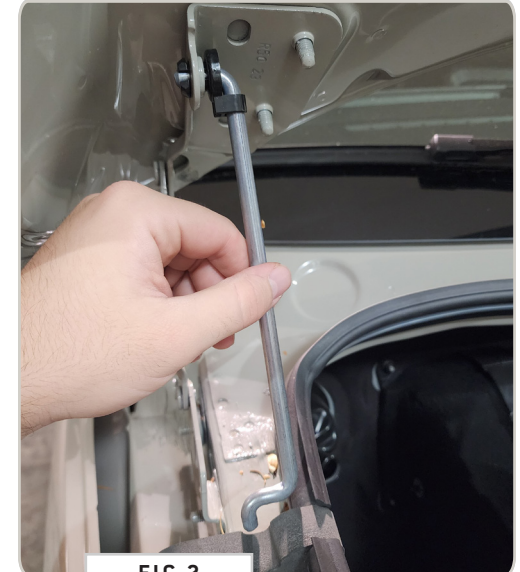


FIG 2



FIG 3

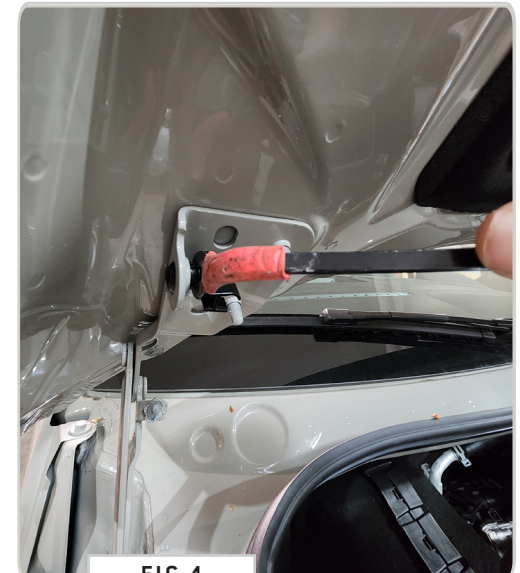


FIG 4

TOOLS REQUIRED FOR THIS STEP: + 10MM WRENCH OR SOCKET

STEP | 01 LAYOUT AND INSTALL PREP

1.3 Remove Fender Bolt: On the side where you're installing the first strut, locate the **10mm Fender Bolt** as shown in **FIG 5**. Using a 10mm socket or open-ended wrench, remove the bolt and set aside (**FIG 6**).

1.4 Position Hood Strut Bracket: Position the **Hood Strut Bracket** into the orientation shown in **FIG 7** and secure using the **10mm Fender Bolt** (**FIG 8**).

NOTE - Be sure that the **Bracket** is seated tight against the sheet metal.



FIG 5



FIG 6



FIG 7

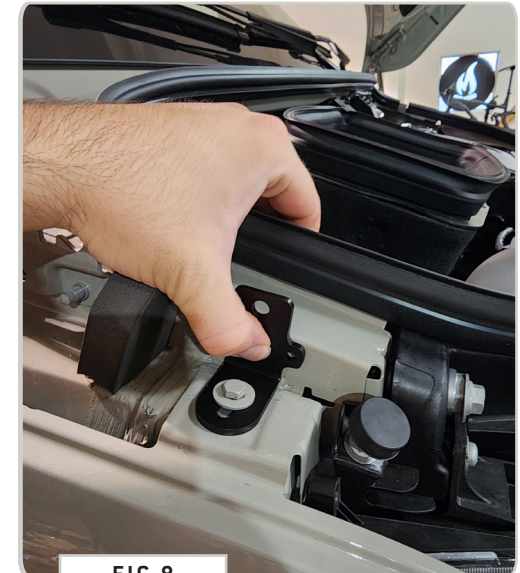


FIG 8

TOOLS REQUIRED FOR THIS STEP:

- + POWER DRILL
- + 3/16" DRILL BIT
- + RUST PREVENTATIVE PAINT

STEP | 01 LAYOUT AND INSTALL PREP

1.5 Drill Out Mounting Holes: Using the installed Hood Strut Bracket as a guide, drill out **Mounting Holes** using a **3/16"** Drill Bit (FIG 9-10).

1.6 Paint Exposed Edges: Remove Hood Strut Bracket (FIG 11) and use a **Rust Preventative Paint** to seal all exposed edges from drilling.

1.7 Repeat Steps: Repeat process on other side of van.



FIG 9



FIG 10

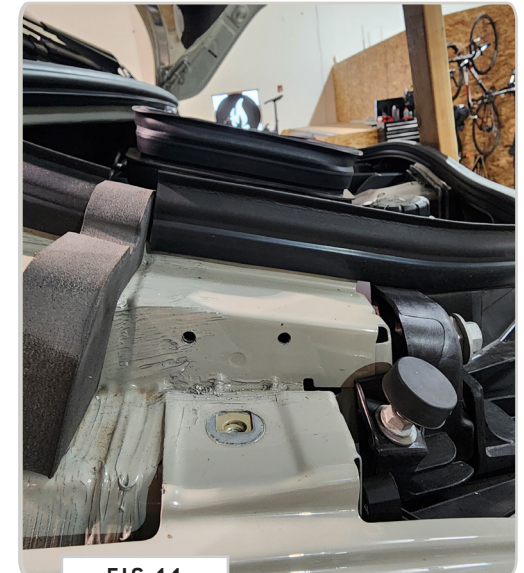


FIG 11

TOOLS REQUIRED FOR THIS STEP: + 10MM WRENCH OR SOCKET
+ POP RIVET TOOL

STEP | 02 INSTALL HOOD STRUTS

2.1 Reinstall Hood Strut Brackets: Use the 10mm Fender Bolt to reinstall the Hood Strut Brackets in place.

2.2 Rivet Hood Strut Brackets in Place: Place a Rivet inside each the Mounting Holes as shown in FIG 12 and use a Rivet Tool to rivet the Hood Strut Bracket in place (FIG 13-15).



FIG 12

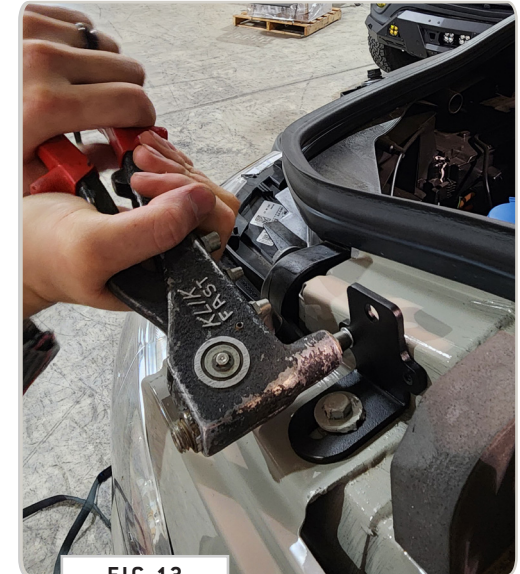


FIG 13



FIG 14

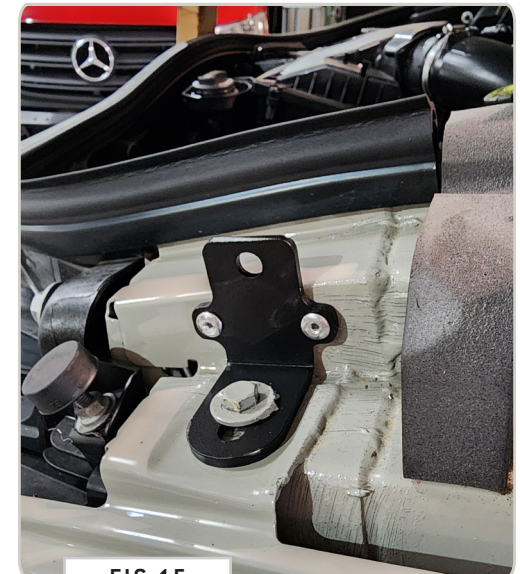


FIG 15

TOOLS REQUIRED FOR THIS STEP: + 3/16" ALLEN WRENCH
+ 7/16" SOCKET OR WRENCH

STEP | 02 INSTALL HOOD STRUTS

2.3 Position the Lower End of the Strut: Position the the lower ball-end by pressing it through the **Hood Strut Bracket** in the orientation shown in **FIG 16 + 17**.

2.4 Assemble the Washer Stack: Assemble the washer stack along the upper ball-end of the strut using an **Oversized M8 Flat Washer** and **Strut Mount Busing** as shown in **FIG 18**.

2.5 Position the Upper End of the Strut: Insert the bolt through the attachment point, ensuring the **Strut Mount Bushing** seats inside the **Hood Panel Hinge** (**FIG 19**). This may require pushing the hood up a bit higher to snap the strut into place. ****USE CAUTION AND ASSISTANCE IF NECESSARY.**



FIG 16



FIG 17



FIG 18



FIG 19

TOOLS REQUIRED FOR THIS STEP: + 13MM WRENCH OR SOCKET
+ 12MM WRENCH

STEP | 02 INSTALL HOOD STRUTS

2.6 Finish Washer Stacks: Cap the **Upper Ball-End** with another **Oversized M8 Flat Washer** and **Nylon Locknut** (FIG 20). The lower ball-end will take a **Standard-Sized M8 Flat Washer** and **Nylon Locknut** (FIG 21).

2.7 Secure Struts in Place: Use a **13MM Wrench** (FIG 22) or **Socket** (FIG 23) to tighten up the **Nylon Locknuts** while holding the ball-end in place with a **12MM Wrench**.

NOTE - Be sure to maintain alignment of the struts during this process.



FIG 20

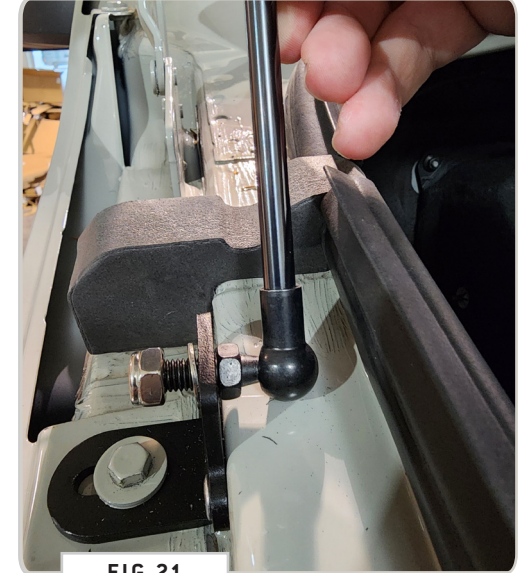


FIG 21



FIG 22



FIG 23

TOOLS REQUIRED FOR THIS STEP:

STEP | 03 FINAL CHECKS

3.1 Close the Hood: Gently close the hood to ensure smooth operation.

3.2 Reopen the Hood: Lift the hood to check if the struts support the hood automatically. Both struts should fully support the hood, making it easy to open and close without the need for manual support.



FIG 24

GET OUT AND EXPLORE!

+ LEAVE US A REVIEW

Happy with your new FVC product? We would love to hear (and see) from you! Head to the product page and click "Leave Review." Add a short review and upload a few photos to be showcased on the product page.

+ SHARE YOUR PICS

We love seeing how our customers use their FVC products and following along with your adventures. Tag us in your photos with: @flatlinevanco or send them to us via email. We love posting customer pictures in our feed!

+ NEED ANY HELP?

If you are having any issues with your product, please reach out, and we will make it right. FVC is a company of van and outdoor enthusiasts that design and use our own products, so we want you to be as stoked on your new parts as we are!



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