



INSTALLATION GUIDE

WINNEBAGO EKKO REAR LADDER

WB0201B



TOOLS REQUIRED (NOT INCLUDED)

- | | |
|------------------------|----------------------|
| + MARKER | + 19/64" DRILL BIT |
| + PRY TOOL | + 31/64" DRILL BIT |
| + RAZOR BLADE | + 1/2" DRILL BIT |
| + EXTERIOR SEALANT | + 39/64" DRILL BIT |
| + POWER DRILL | + 5/32" ALLEN WRENCH |
| + IMPACT DRIVER | + 7/16" SOCKET |
| + BIT HOLDER EXTENSION | + 5/16" SOCKET |
| + 3/16" DRILL BIT | + RIVET TOOL |

INSTALL INFO

TIME TO INSTALL THIS PRODUCT: 2 HOURS

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:

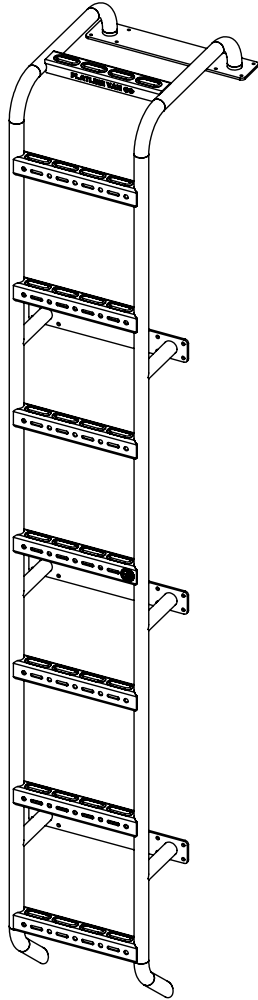
support@flatlinevanco.com

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.

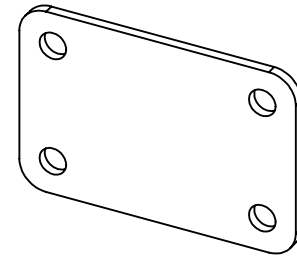


PACKAGE CONTENTS



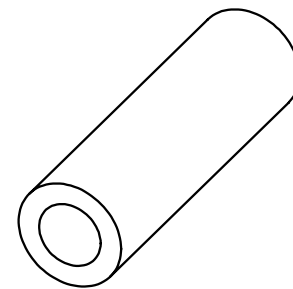
LADDER WELDMENT

QTY: 1



BACKING PLATE

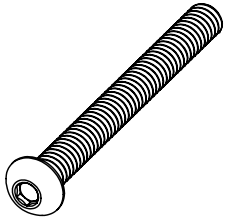
QTY: 2



LADDER TUBE SPACER

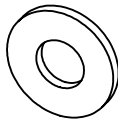
QTY: 8

HARDWARE



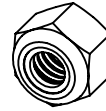
1/4-20 X 2.50 BUTTON HEAD
HEX DRIVE SCREW

QTY: 8



1/4 SCREW FLAT WASHER

QTY: 8



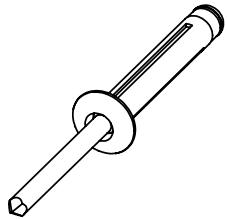
1/4-20 NYLON INSERT
LOCKNUT

QTY: 8



12-24 X 1.250 SELF DRILLING
HEX HEAD SCREW

QTY: 16



3/16 OD 0.157\"-0.625\" BLIND
RIVET

QTY: 8

INSTALL

STEP | 01 REMOVE FACTORY LADDER

1.1 Park and Prep Van: Before beginning the installation, park your vehicle on a flat, level surface, turn off the engine, and engage the parking brake. Thoroughly clean and prep the exterior rear wall mounting area before removal of the **Factory Ladder** (FIG 1).

TOOLS REQUIRED FOR THIS STEP:



FIG 1

TOOLS REQUIRED FOR THIS STEP: + RAZOR BLADE
+ PRY TOOL

STEP | 01 REMOVE FACTORY LADDER

1.2 Remove Roof Sealant: Carefully remove the sealant around the roof mounts (**FIG 2**) by cutting away sections (**FIG 3**) and prying them off (**FIG 4**). Be sure not to cut through the roof of the van.



FIG 2



FIG 3

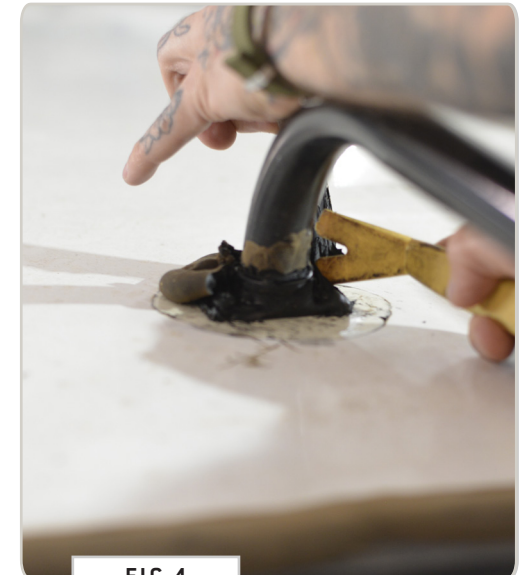


FIG 4

STEP | 01 REMOVE FACTORY LADDER

1.3 Prepare Lower Mounts: Unbolt and remove hardware securing factory ladder at lower wall mounting points (FIG 5-6). Once removed, pry away from wall to prepare the ladder for removal (FIG 7).

TOOLS REQUIRED FOR THIS STEP:

- + PHILLIPS HEAD BIT
- + IMPACT DRIVER
- + BIT HOLDER EXTENSION
- + PRY TOOL



FIG 5



FIG 6

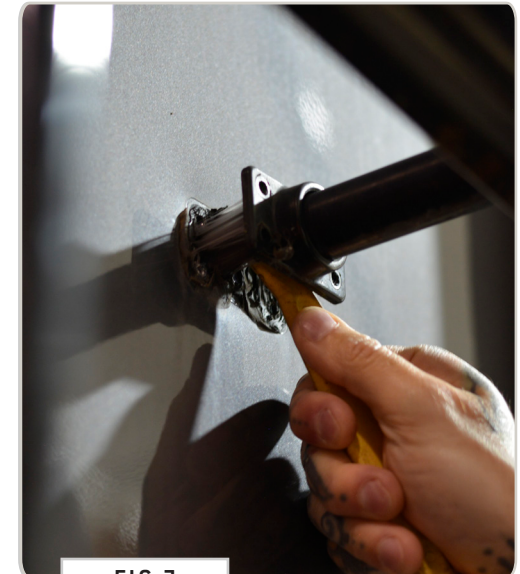


FIG 7

STEP | 01 REMOVE FACTORY LADDER

1.4 Remove Factory Ladder Unbolt and remove hardware securing upper ladder mounts to roof (FIG 8). Carefully lift factory ladder away from vehicle body. Clean surface around factory mounting holes to remove dirt, grease, and old sealant residue (FIG 9).

NOTE - We like to use 99% isopropyl alcohol, but any neutral, non-corrosive cleaner will work.

TOOLS REQUIRED FOR THIS STEP: + IMPACT DRIVER
+ PHILLIPS HEAD BIT
+ PRY TOOL
+ CLEANING SOLUTION



FIG 8



FIG 9

STEP | 02 INSTALL FVC LADDER

2.1 Dry Fit FVC Ladder: Test-fit **FVC Ladder** against the van to verify alignment and determine final mounting location (**FIG 10**). Find an area that won't interfere with other **Rear Accessories** or overlap with factory mounting holes.

2.2 Mark Drill Holes: Mark new mounting hole locations onto vehicle's wall and roof using the ladder's hole pattern as a template (**FIG 11**).

2.3 Drill Holes: Carefully drill marked pilot and mounting holes through exterior wall panel and roof (**FIG 12-13**) with a 3/16" Drill Bit (or similar).

TOOLS REQUIRED FOR THIS STEP: + MARKER
+ POWER DRILL
+ 3/16" DRILL BIT (or similar)



FIG 10

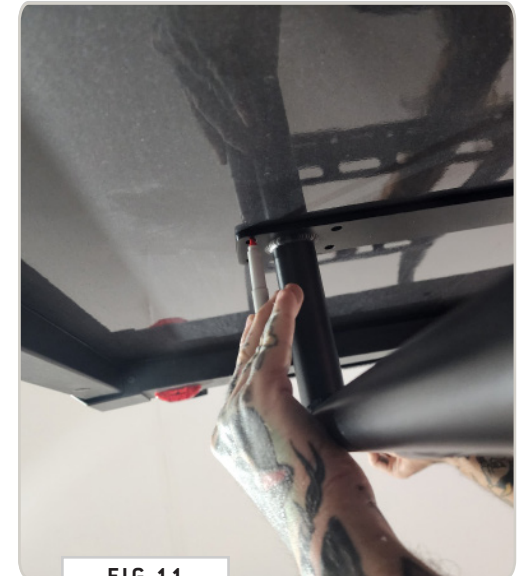


FIG 11



FIG 12



FIG 13

STEP | 02 INSTALL FVC LADDER

2.4 Drill Out Lower Mounting Holes: Drill out the lowest set of mounting holes with a **19/64" Drill Bit (FIG 14)**. We recommend incrementally sizing up to a **39/64" Drill Bit** to accept the **Ladder Tube Spacers/Bushings**.

TOOLS REQUIRED FOR THIS STEP:

- + POWER DRILL
- + 19/64" DRILL BIT
- + 31/64" DRILL BIT
- + 1/2" DRILL BIT
- + 39/64" DRILL BIT



FIG 14



FIG 15

TOOLS REQUIRED FOR THIS STEP: + EXTERIOR SEALANT

STEP | 02 INSTALL FVC LADDER

2.5 Seal Factory Holes: Outdoor sealant around all drilled holes and open factory mounting holes to prevent water from seeping in (FIG 16-17).

NOTE - We recommend *Teroson MS 5510 BK*, but any waterproof exterior sealant will work.



FIG 16



FIG 17

TOOLS REQUIRED FOR THIS STEP: + RIVET TOOL

STEP | 02 INSTALL FVC LADDER

2.6 Attach Ladder to Van Roof: Fasten the **FVC Ladder** to the van roof (**FIG 18**) using the provided **3/16" Rivets** with a hand or pneumatic rivet gun (**FIG 19**).



FIG 18



FIG 19

STEP | 02 INSTALL FVC LADDER

2.7 Attach Ladder to Van Wall: Apply a small dab of sealant to the top and middle set of mounting holes (**FIG 20**) along the **FVC Ladder** and fasten to the rear van wall using the provided **12-24 Self Drilling Screws (FIG 21)**.

TOOLS REQUIRED FOR THIS STEP:

- + EXTERIOR SEALANT
- + IMPACT DRIVER
- + 5/16" SOCKET



FIG 20



FIG 21

STEP | 02 INSTALL FVC LADDER

2.8 Attach FVC Ladder to Garage Cabin: Apply a small dab of sealant to the provided **1/4-20 x 2.5" Button Head Hex Drive Screws (FIG 22)** and insert through the lowest set of mounting holes along the **FVC Ladder (FIG 23)** and fasten to the interior of the garage space using the provided **Backer Plates, Flat Washers and Nylon Locknuts (FIG 24)**.

NOTE- Another person will be needed for this step.

TOOLS REQUIRED FOR THIS STEP:

- + EXTERIOR SEALANT
- + 5/32" ALLEN WRENCH
- + 7/16" SOCKET



FIG 22



FIG 23

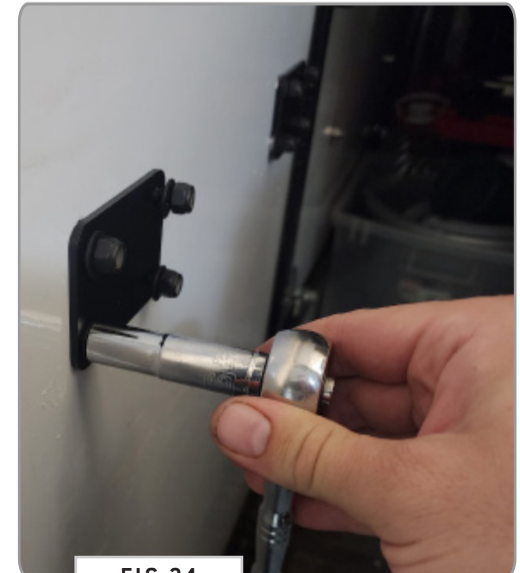


FIG 24

TOOLS REQUIRED FOR THIS STEP: + EXTERIOR SEALANT

STEP | 02 INSTALL FVC LADDER

2.9 Seal Roof and Van Wall: Apply a bead of high-quality exterior sealant around the mounting plates on the van's rear wall (FIG 25) and roof (FIG 26).

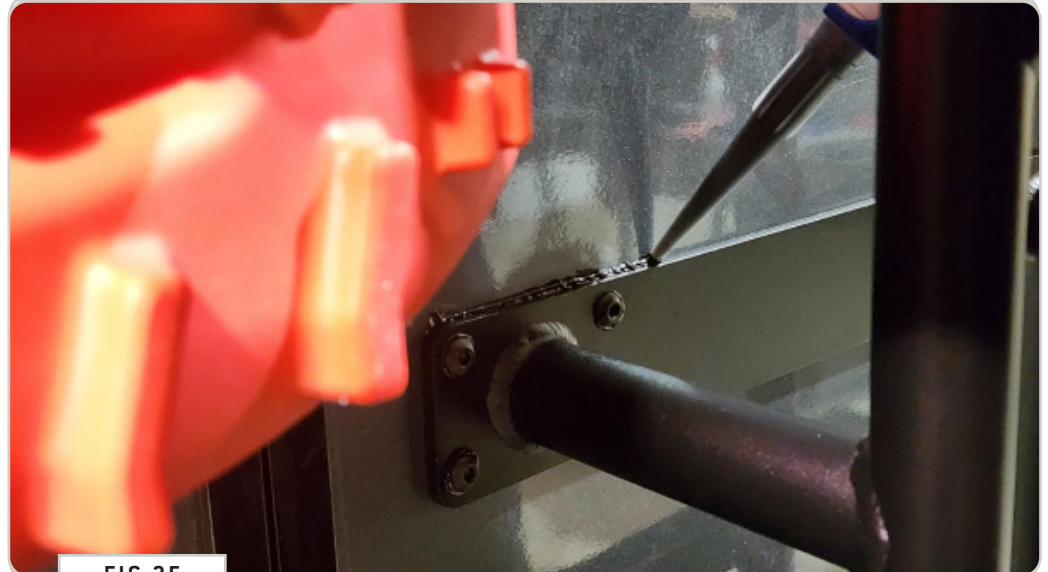


FIG 25



FIG 26

TOOLS REQUIRED FOR THIS STEP:

STEP | 04 FINISHING TOUCHES

4.1 Final Checks: Double-check that all fasteners are tightened and allow the sealant to fully cure according to the sealant manufacturer's instructions before placing load or climbing on the ladder. Enjoy!



FIG 27

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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