



# **WOLF HAUS** ***OFF-ROAD***

## Aux Bed Power Harness **INSTALLATION** **INSTRUCTIONS**

***Thank you for your purchase!***

All our products are hand built/assembled in Ohio.  
We work to meet or exceed OEM specifications.

## **PACKAGE CONTENTS**

Harness Assembly

In Bed Connector Adapter with 2 pin female connector installed.

31 inch wire (14 AWG double insulated)

OEM Ford connector, 2 pin male.

Split Harness ONLY: 14 AWG standard wire with unterminated end.

2x spare plastic wing clip.

Choice of male 2 pin in-bed connector assembly:

Marine/Lighter Socket, pre-wired.

Pigtail - 3 ft of silicone insulated 14 AWG cable, pre-wired  
(for connecting your own device).

Bare - No pigtail or socket. Solder your own.

1x 2.5 MM hex key for install.

## **NOTES AND PRECAUTIONS BEFORE INSTALLING**

There is NO in-line fuse included. This circuit on the truck is rated to 20amps and has its own fuse under the hood.

Fuse #17 in the "Engine Compartment Fuse Box" on page 233 of the owners manual. Listed as "Auxiliary Power Point - rear cargo area."

All components in this harness meet or exceed the 20 amp rating.

We use the OEM connectors that ford uses for the harness, as well as 23 amp rated connectors for the in-bed side of the connector.

NOT directly compatible with Drop-In Bed Liners or Bed Rugs without modification (as they block the hole). (We have an OEM connector to pigtail version available for wiring your own stuff without penetrating the bed).

Do NOT over-tighten the clip bolts (to avoid cracking or damaging the plastic).

Put the truck on a level surface and in PARK with the PARKING BRAKE set before installing to avoid vehicle movement.

The main body and clips are 3D printed using ASA plastic. This plastic is made for high heat, is UV tolerant, and has most of the aspects of ABS (while being easier to use).

DO NOT exceed the rated current limit (Peak 20 Amps) of this circuit.

## **WARRANTY**

All parts have a 1 year warranty. Please contact us directly for any questions.

The clip/adapter is made for a single install. It is not intended to be removed and replaced in the hole multiple times.

Two spare wing clips are included; additional replacements can be ordered.

We are not responsible for any issues caused by alterations or use beyond the rating of the equipment.

# INSTALLATION

1. Remove the harness, and hex key from the packaging.
2. Use the hex key to make sure the wing clips move freely (1/2 turn from close to open).



3. Close the clips so they are not sticking out.



4. Insert the gray connector and wire into the hole in DRIVER's SIDE of the bed (feed the wire towards the rear of the bed).



5. Make sure the clip is facing UP (the WOLF.HAUS text should be on the TOP.)



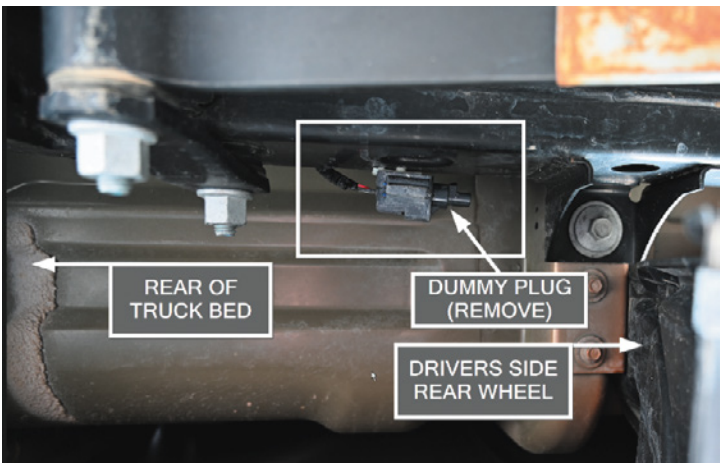
6. Push the black clip body into the hole (you may need to wiggle it a bit) until the gasket is flush with the bed.



7. Go underneath the truck on the drivers side, behind the rear wheel and find the gray connector and wire you inserted from above (if you don't see it, you may need to wiggle/remove and re-insert the cable).

8. Remove the existing BLANK that is plugged into the truck harness.

Note: there is a CLIP that needs to be pressed IN on the larger connector, attached to the body, in order to remove the dummy plug.



9. Insert the new gray connector into the existing socket until it CLICKS.



10. Back in the bed, making sure that the mounting plate is against the bed, turn the bolts 1/2 - 1 whole turn clockwise.



11. Verify the wing clips are in the proper position by gently pulling on the clip body. It should not pull out.
12. Tighten the bolts until the clip body does not move in the hole. You want it to be SNUG so don't over-tighten the bolts or you will strip the plastic clips.



13. You're done!  
The power port is now live when the truck is on, and for a set period of time after the truck is turned off (1 – 2 hours normally).

### **Tips for connecting the provided male power plug**

Align the plug with the socket and rotate the locking ring until the plug goes completely into the socket.

Once completely in, rotate the locking ring until you feel an indentation. The power connector is now locked in place.

To remove, you may need to squeeze the locking ring when turning.

### **NOTE for PIGTAIL buyers**

Red/White is POSITIVE and Black is NEGATIVE.

For the In-Bed Connectors - Pin 1 is Positive / Pin 2 is Negative

### **NOTE for SPLIT HARNESS buyers**

Remove the protective sleeving from the provided wire to make your own hardwired connections.

LEAVE the protective sleeve in place until you are ready to wire your own connection to prevent electrical faults, injury, or fire.



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## **WHOR.US**

If you have any questions or concerns,  
or just want to follow what we're doing  
you can find us here:

Email [contact@wolf.haus](mailto:contact@wolf.haus)

Instagram [@WolfHausOffRoad](https://www.instagram.com/WolfHausOffRoad)

Twitter [@WolfHausOffRoad](https://twitter.com/WolfHausOffRoad)

Facebook [WolfHausOffRoad](https://www.facebook.com/WolfHausOffRoad)

Product 2019+ Ford Ranger Aux Power In-Bed Harness

Part/Assembly P-CL20-05 MK-VIII

Contact Ethan via [ethan.cain@wolf.haus](mailto:ethan.cain@wolf.haus)

**Designed and manufactured in the USA.**