



CF MOTO UFORCE 2021+

TAIL LIGHT

PLUG & PLAY MULTI-FUNCTION



INSTRUCTION MANUAL



RAVEK

CF MOTO UFORCE 2021+

PLUG & PLAY MULTI-FUNCTION TAIL LIGHT

Part #: 68-103

Fitment: CF MOTO UFORCE 2021+

TOOLS NEEDED:



Side Cutter Pliers



Push Pin Pliers



Lighter / Heat Gun



Ratchet



*10mm Deep
Well Socket*



*Small Flathead
Screwdriver*



*Phillips
Screwdriver*

PARTS INCLUDED:

- UTV Multi-function Tail Light (1x)
- Main Harness (1x)
- Tail light Harness (2x)
- Tail light Extension Harness (1x)
- Work Light Harness (1x)
- Battery Positive Harness (1x)
- Battery Negative Harness (1x)
- Rocker Switch (1x)
- Mounting Clips (4x)
- Zip Tie (10x)
- Adhesive Promotor Wipe (2x)
- Rubbing Alcohol Wipe (2x)
- Heat Shrink (1x)
- Dielectric Grease (1x)

INSTALL VIDEO TUTORIAL

**DON'T LIKE INSTRUCTIONS?
VISIT OUR WEBSITE
TO ACCESS THE
VIDEO TUTORIAL.**



NOTE: Throughout this process, be sure to keep track of any screws or fasteners you remove as they will be re-installed in the same location.

NOTE: Make sure your vehicle is off and key is out of the ignition before starting.

NOTE: Dielectric grease is provided, and you can use it for added protection.

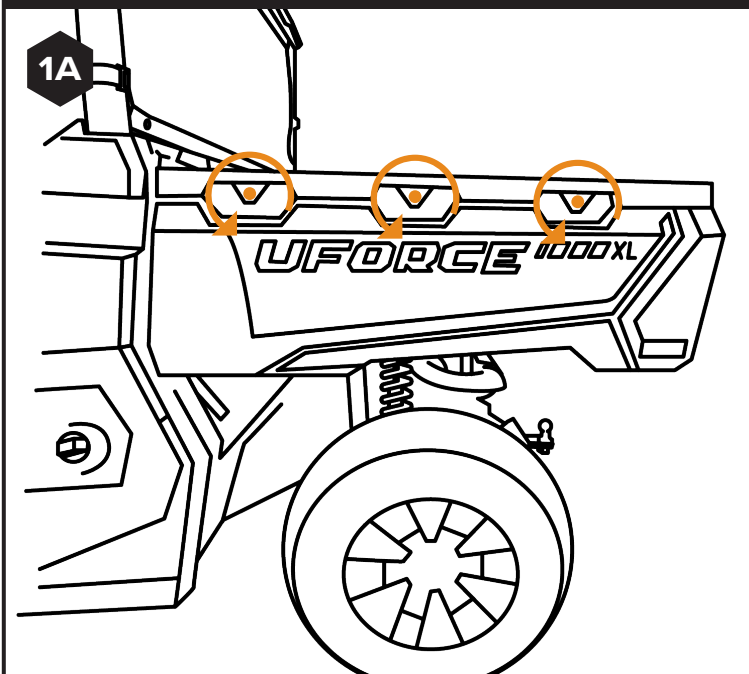
1

PREP THE VEHICLE

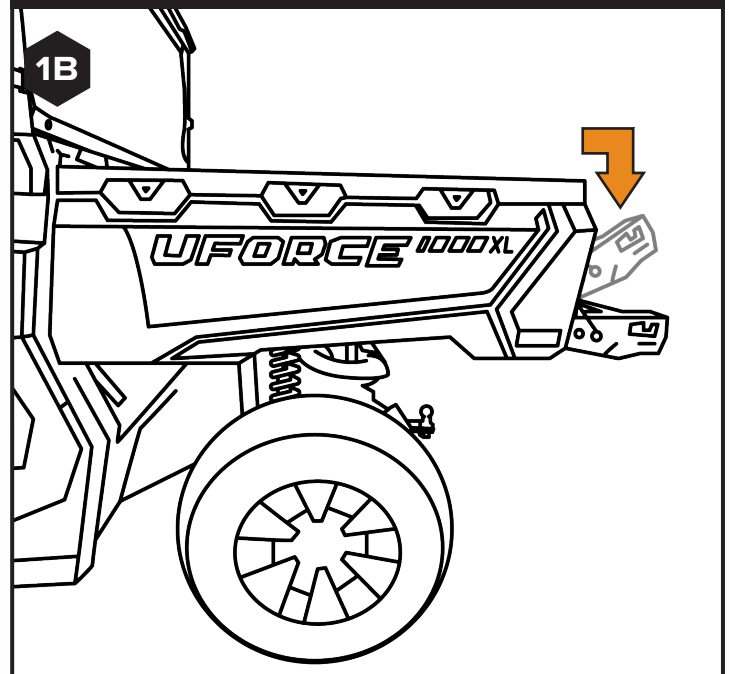
i

Remove the side covers by unscrewing the three Phillips screws and one 10mm screw. [SEE FIGURES 1A – 1H]

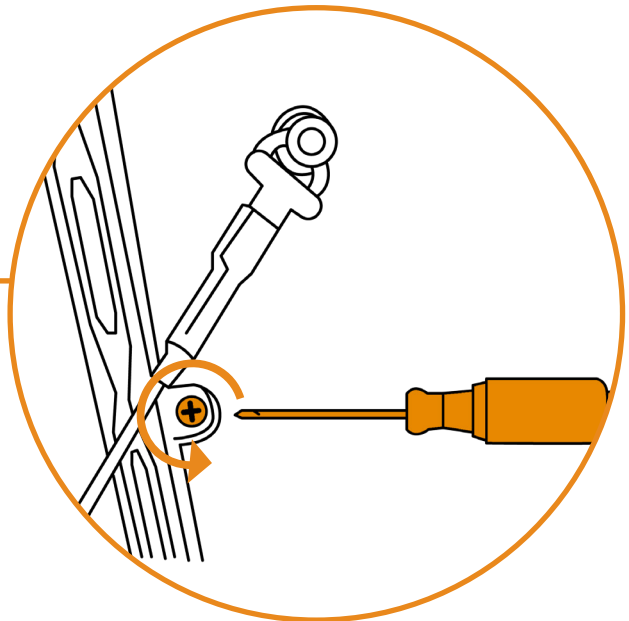
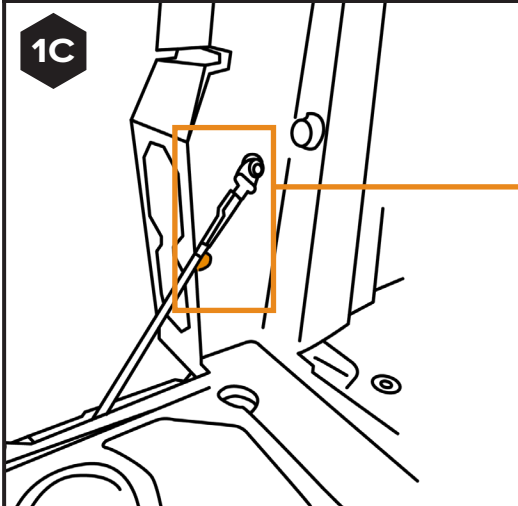
**REMOVE THE 3 BOLTS ON THE
TOP OF THE SIDE COVER**



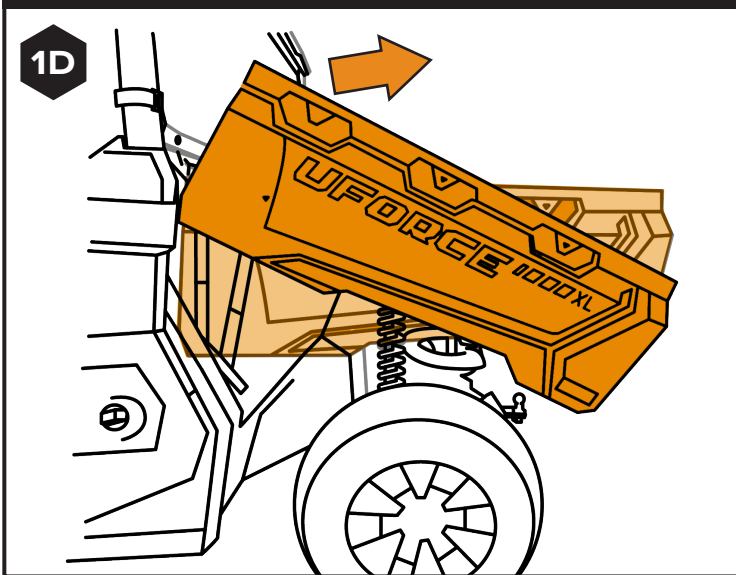
OPEN TAILGATE



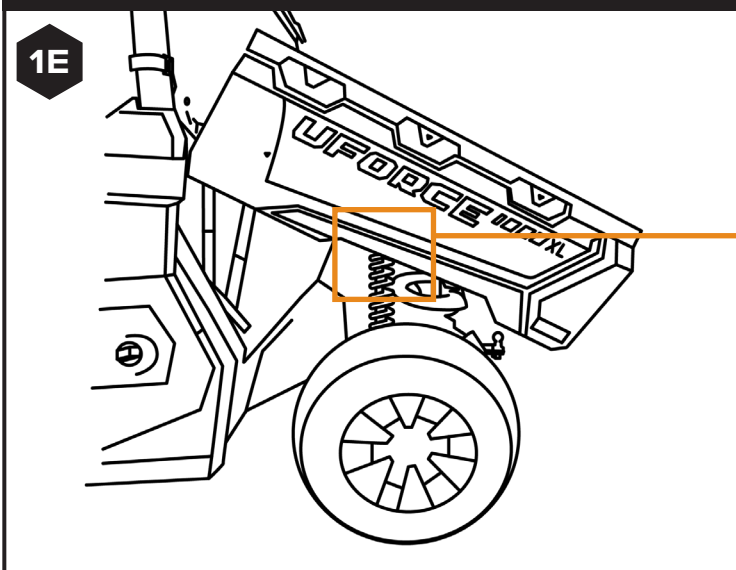
REMOVE PHILLIPS
SCREW BY TAILLIGHT



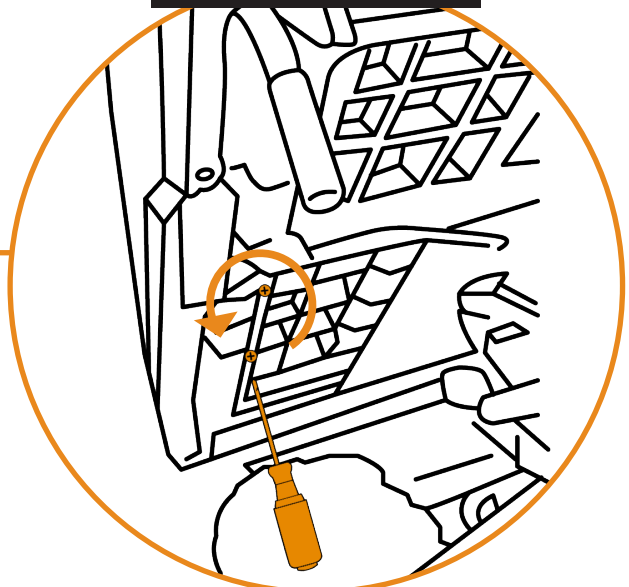
DUMP BED



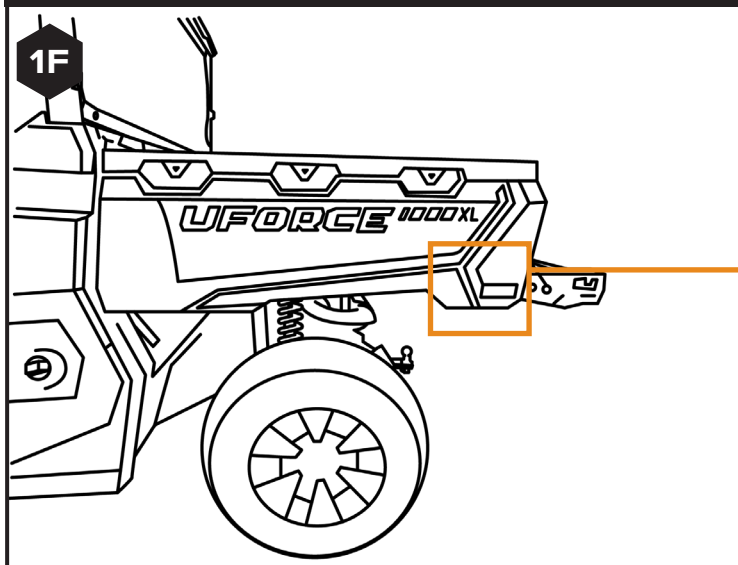
REMOVE THE TWO BOTTOM PHILLIPS SCREWS



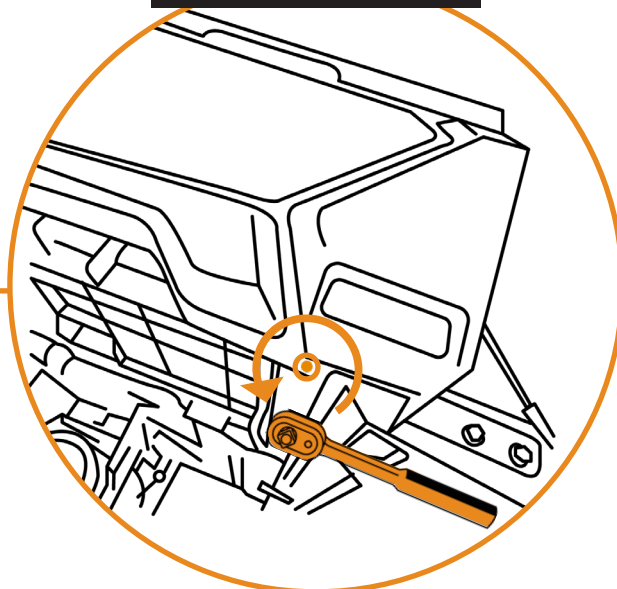
UNDERSIDE VIEW



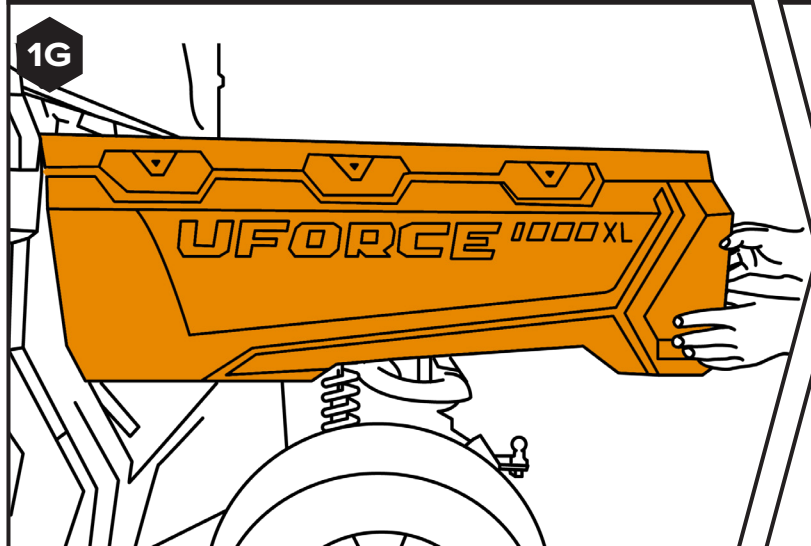
REMOVE THE ONE BOTTOM 10MM SCREW



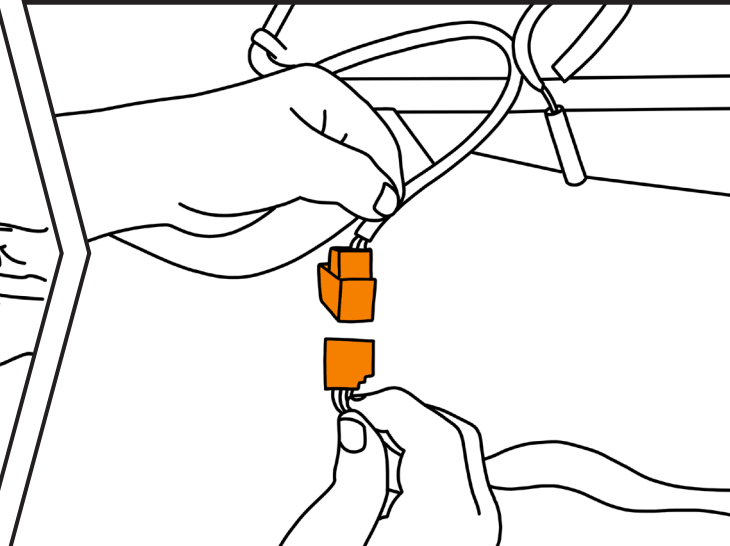
UNDERSIDE VIEW



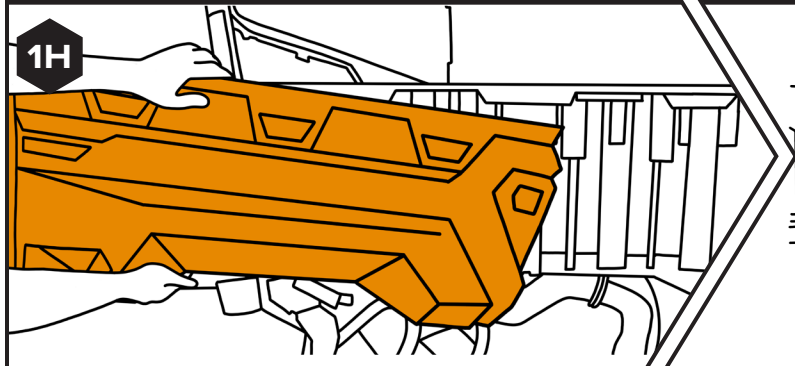
PARTIALLY REMOVE SIDE COVERS



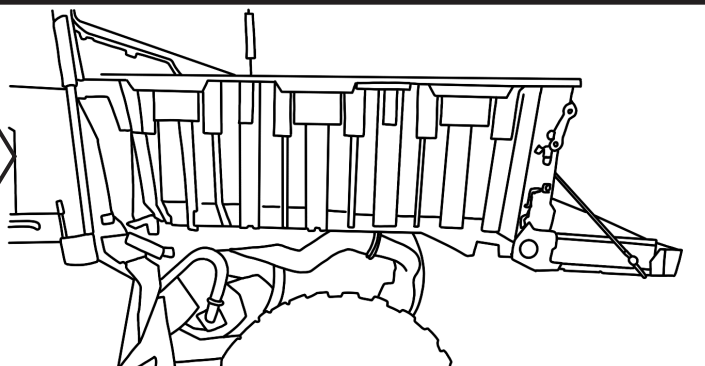
UNPLUG TAILLIGHT



FULLY REMOVE SIDE COVER



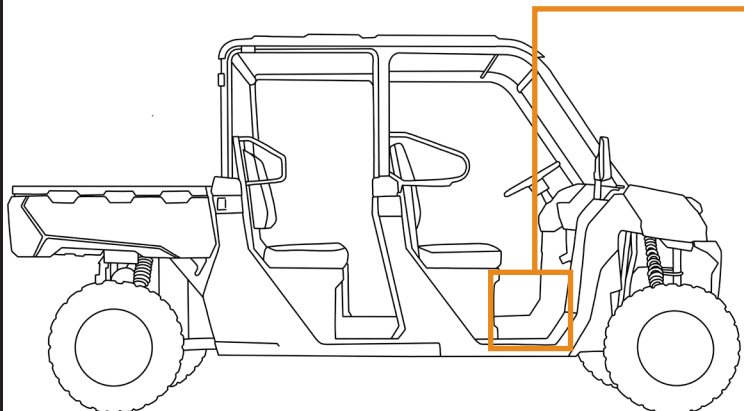
FULLY REMOVE SIDE COVER



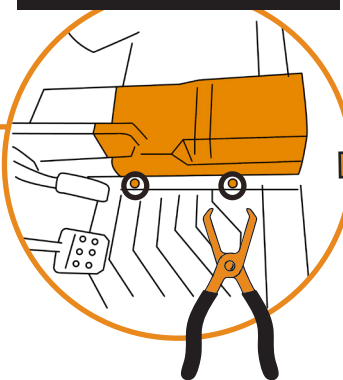
Remove the eight push pins and detach the center tunnel panels to access the wire routing area. [SE FIGURES 1I & 1J]

REMOVE CENTER TUNNEL PANELS

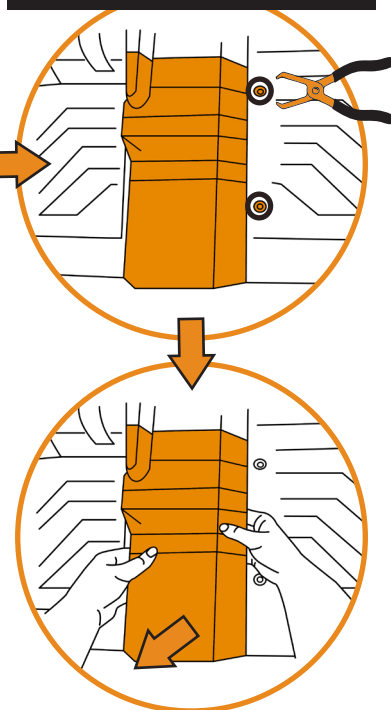
1I



DRIVER SIDE VIEW

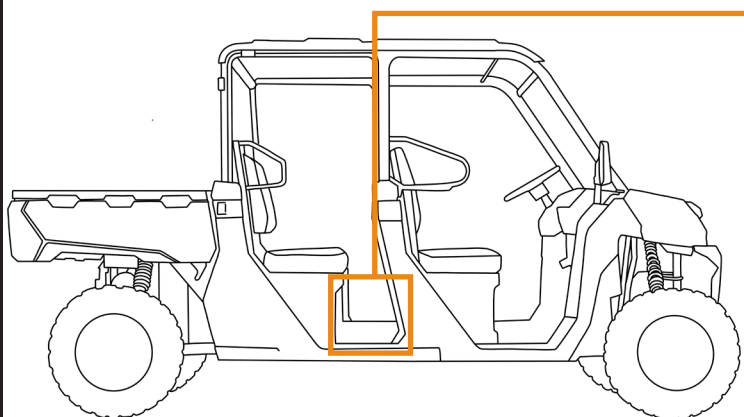


PASSENGER SIDE VIEW

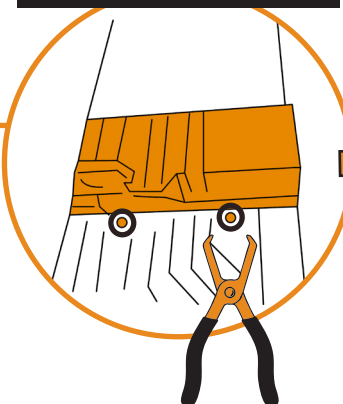


REMOVE CENTER TUNNEL PANELS

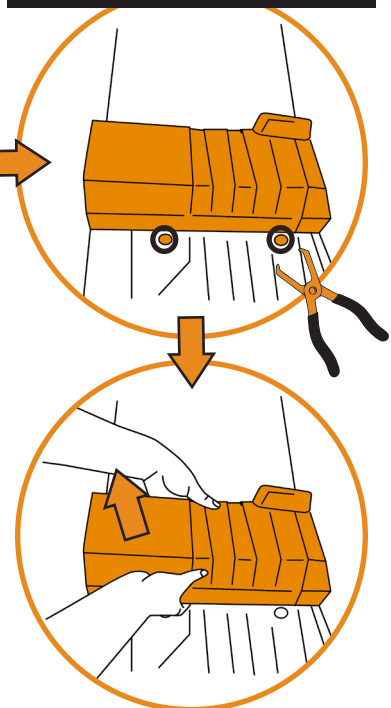
1J



DRIVER SIDE VIEW

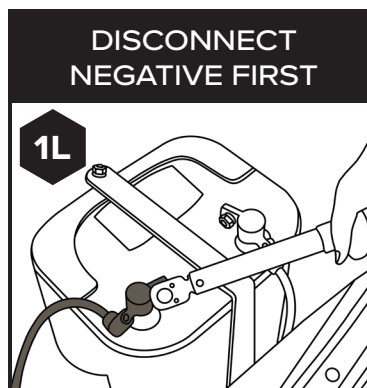
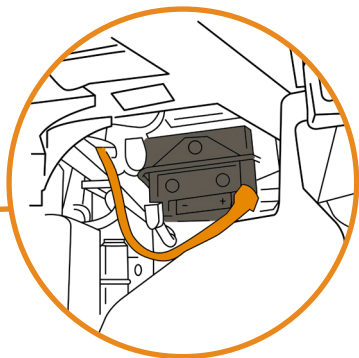
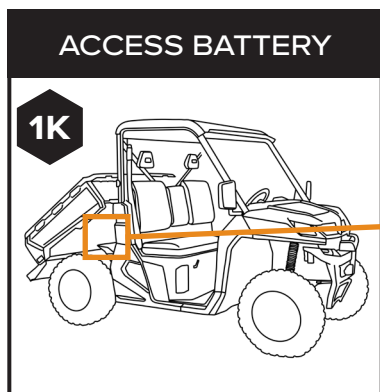


PASSENGER SIDE VIEW



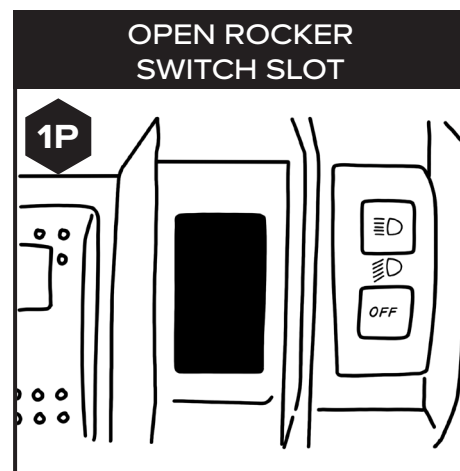
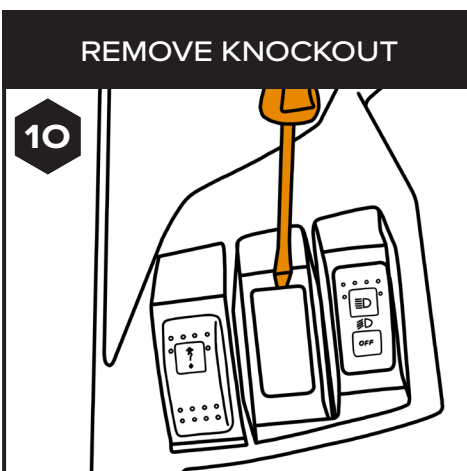
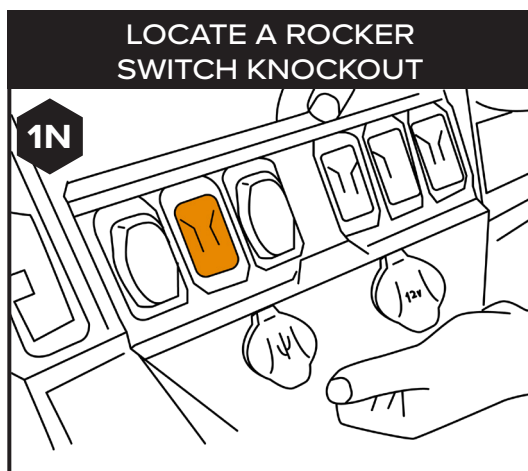
iii

Locate your battery and disconnect the negative terminal first, then the positive. [SE FIGURES 1K – 1M]



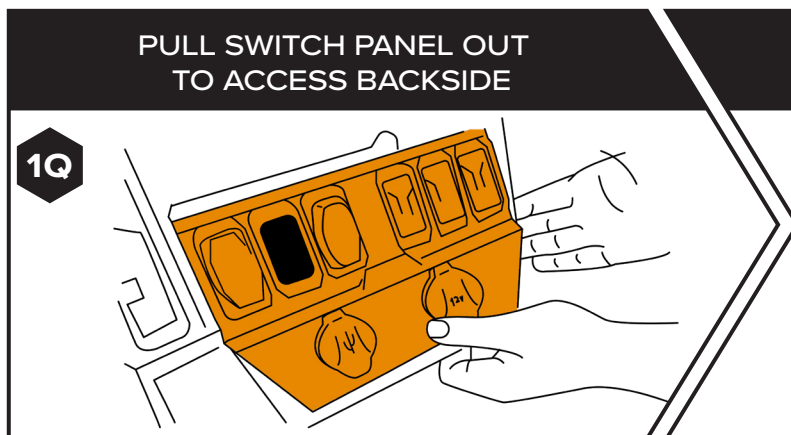
iv

Find an open rocker switch knockout on the UForce's dashboard. Use a flathead screwdriver to carefully remove it. [SEE FIGURES 1N – 1P]

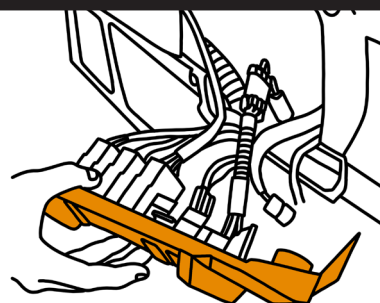


v

Remove the floor tunnel to access the underside for wire routing. [SEE FIGURES 1G - 1M]

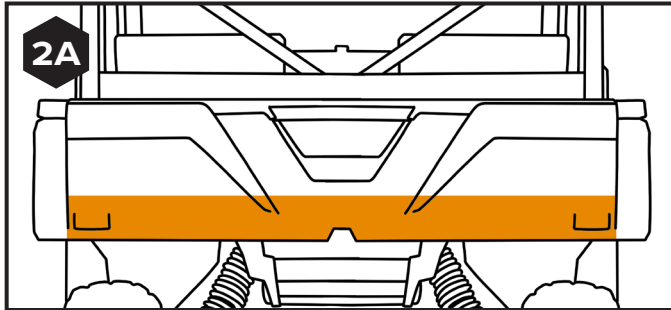


ALLOW SWITCH PANEL TO HANG



i

Wipe your lower tailgate half using one of the rubbing alcohol wipes provided. Let dry. Wipe the same surface with one of the adhesive promoter wipes provided. Let dry. [SEE FIGURES 2A-2C]



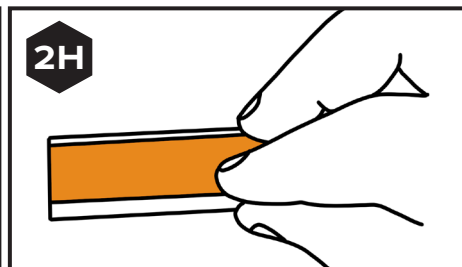
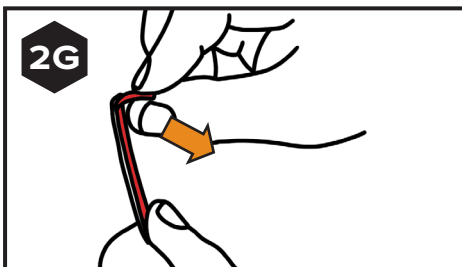
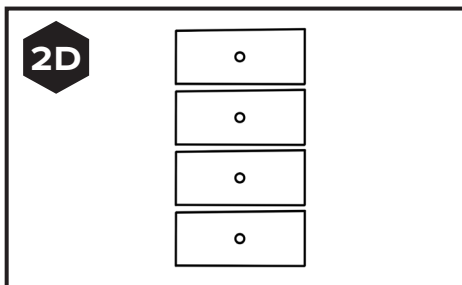
ii

Locate the four mounting clips provided in the kit. [SEE FIGURE 2D]

Clean the back surface of the mounting clips using a rubbing alcohol wipe. Let dry. [SEE FIGURE 2E]

Wipe down the surface of the mounting clips with the adhesive promoter wipe. Let dry. [SEE FIGURE 2F]

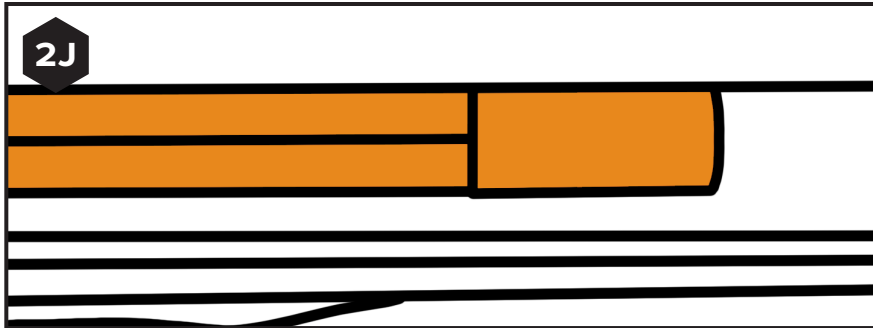
Place the double sided tape on to the back surface of the mounting clips and place them on the back of the light. [SEE FIGURE 2D - 2I]





Peel off the double sided tape protective film and adhere the light to the clean tailgate surface.

NOTE: Install the light so the RAVEK logos on the end caps are right side up. [SEE FIGURE 2J]

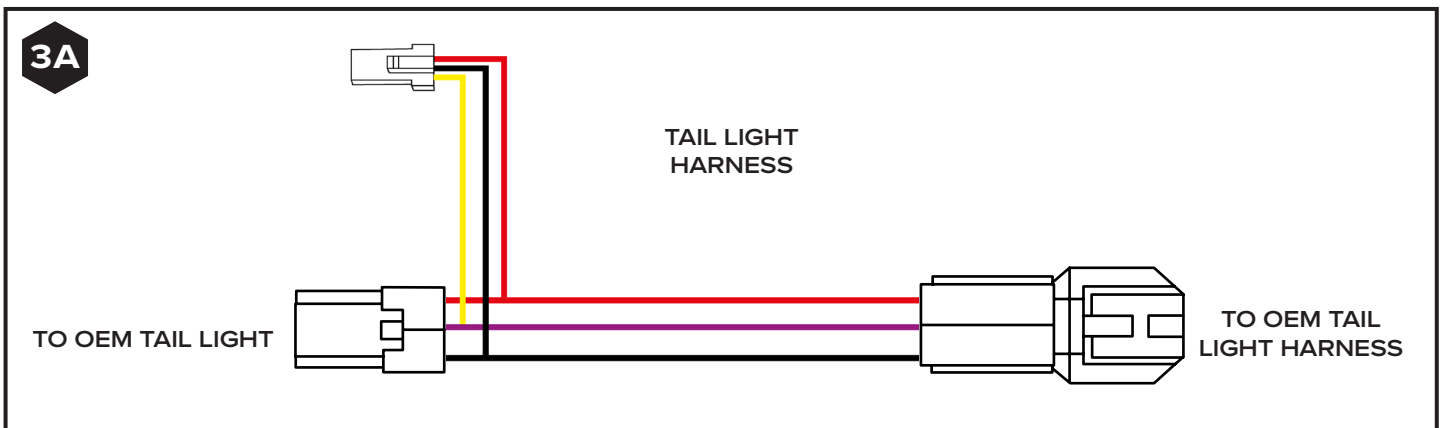


MAKE YOUR CONNECTIONS

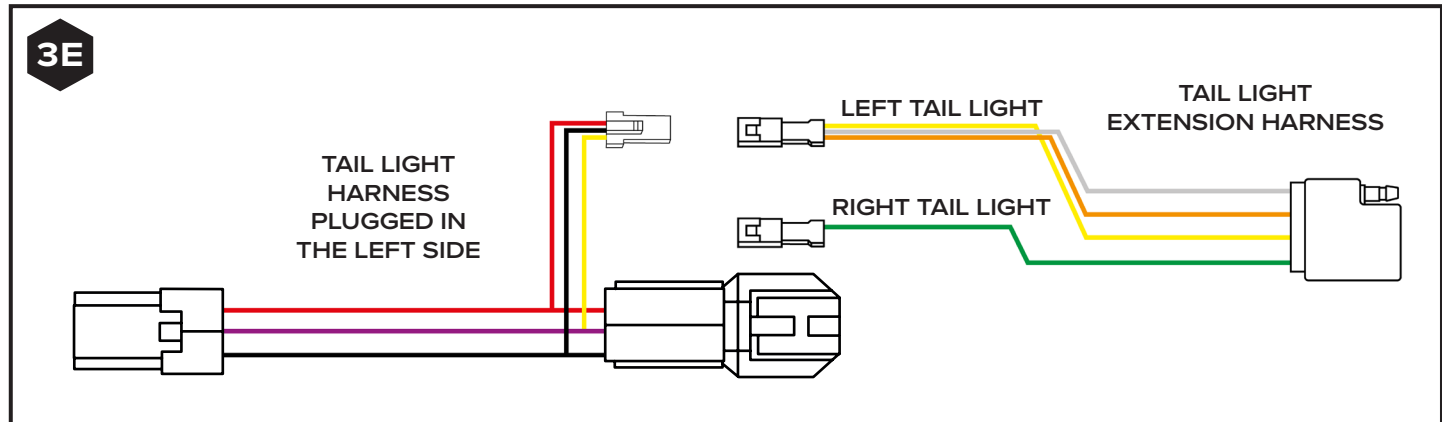
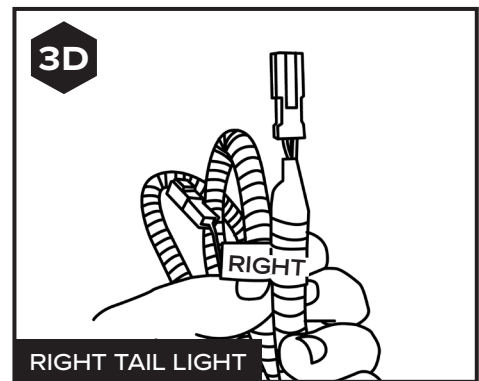
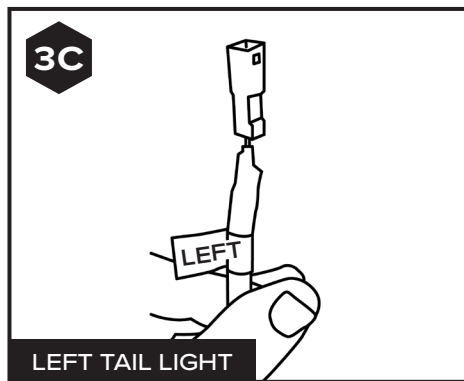
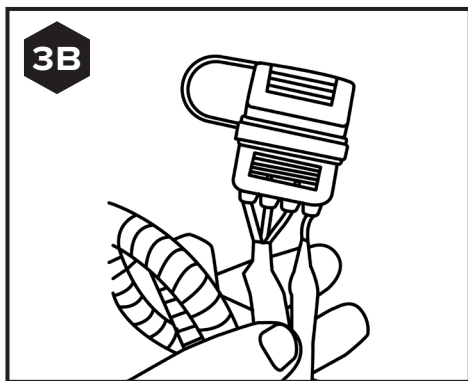


Grab both of your Tail Light Harnesses and plug them in line to your OEM tail light and harness. [SEE FIGURE 3A]

NOTE: If additional accessories are plugged into the tail light already, connect the Multi-function Tail Light Harness closest to the OEM tail light.



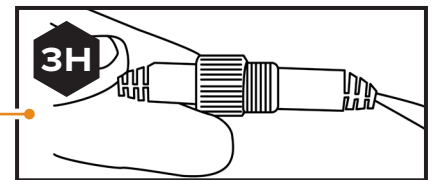
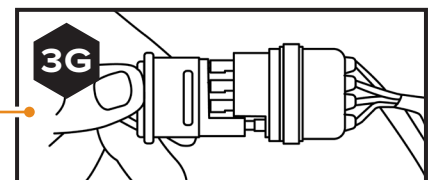
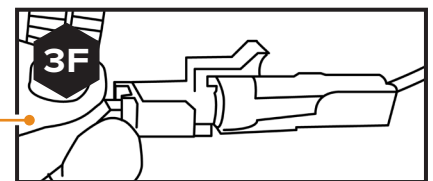
Grab your Tail Light Extension Harness and plug in each labeled connector to the corresponding Tail Light Harness, routing the Tail Light Extension Harness underneath the tailgate. [SEE FIGURES 3B – 3E AND DIAGRAM A]



ii

Set your Main Harness (harness with the controller box) in the engine compartment and make the following connections [SEE FIGURES 3F-3H]:

- Plug in the 1-pin connector coming out the white wire on the Main Harness to the Work Light Harness (harness with relay)
- Plug in the trailer connector coming out the Main Harness to the connector on the Tail Light Extension Harness on the middle of the Pioneer
- Plug in the 4 pin connector coming out the Main Harness to the connector on the light connector on the light to the left side of the UForce.

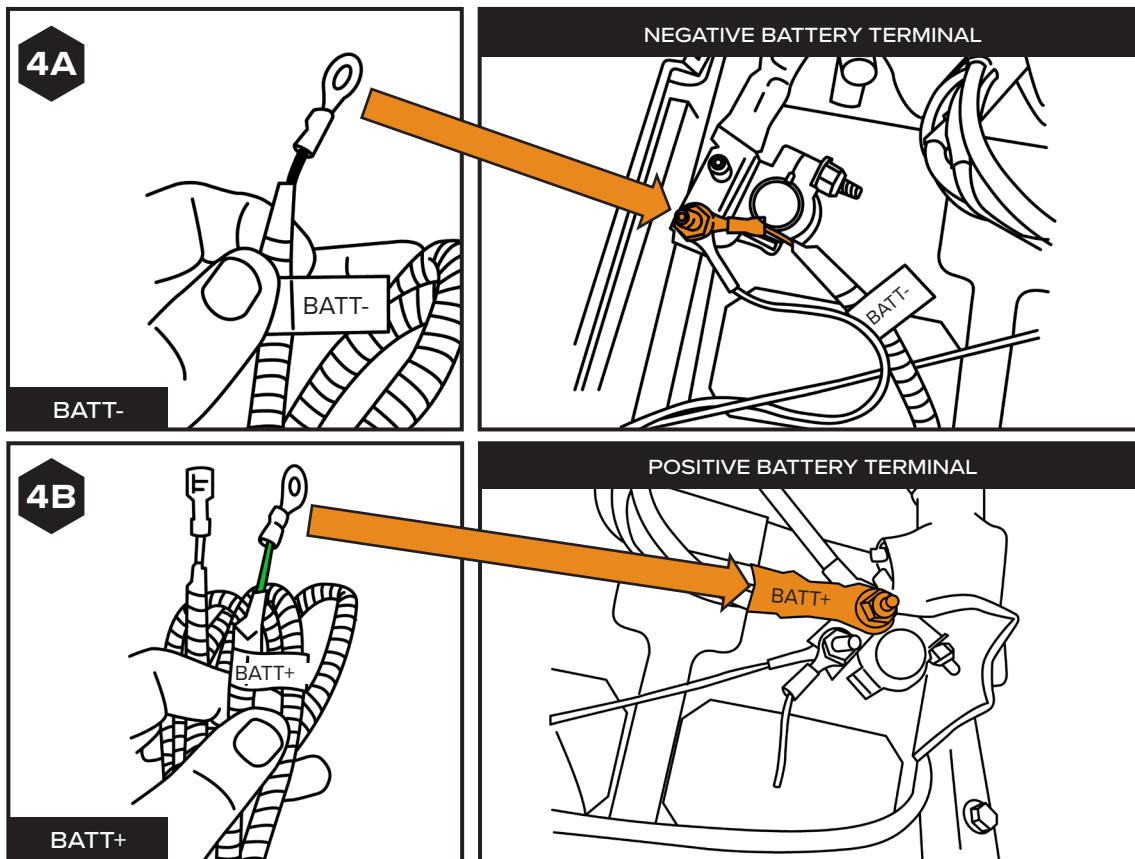


4

HOOK UP ROCKER SWITCH

i

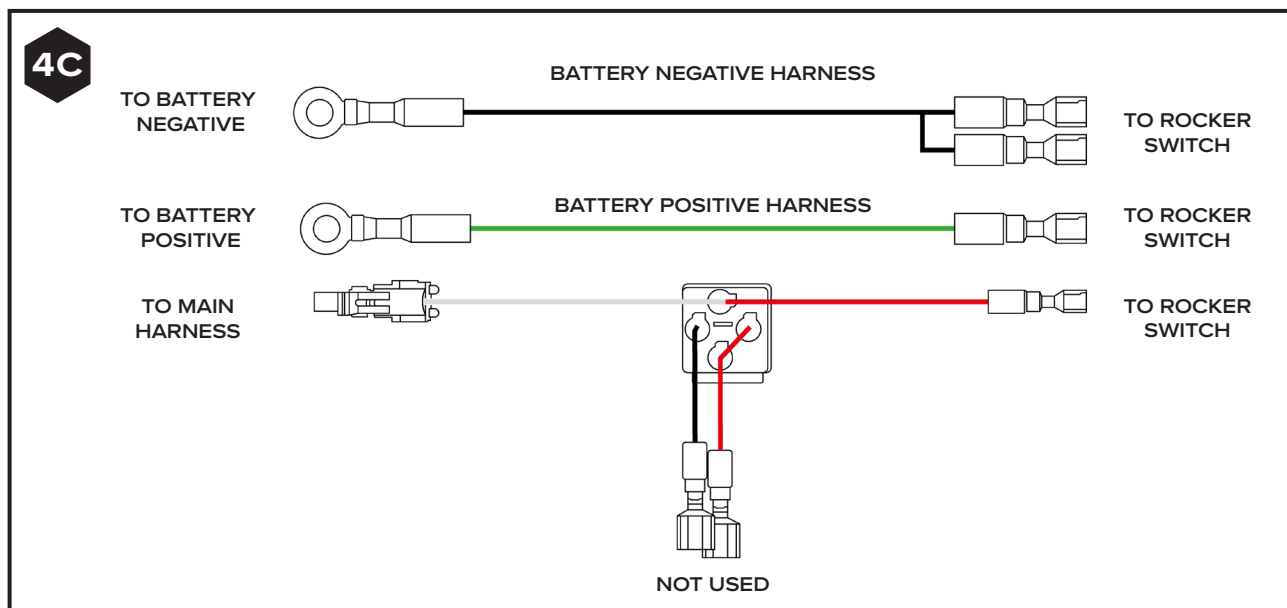
Grab both your Battery Negative and Battery Positive Harnesses. Hook the ring terminal to the corresponding battery terminals and re-install 10mm nut on positive and negative battery terminals. [SEE FIGURES 4A & 4B]

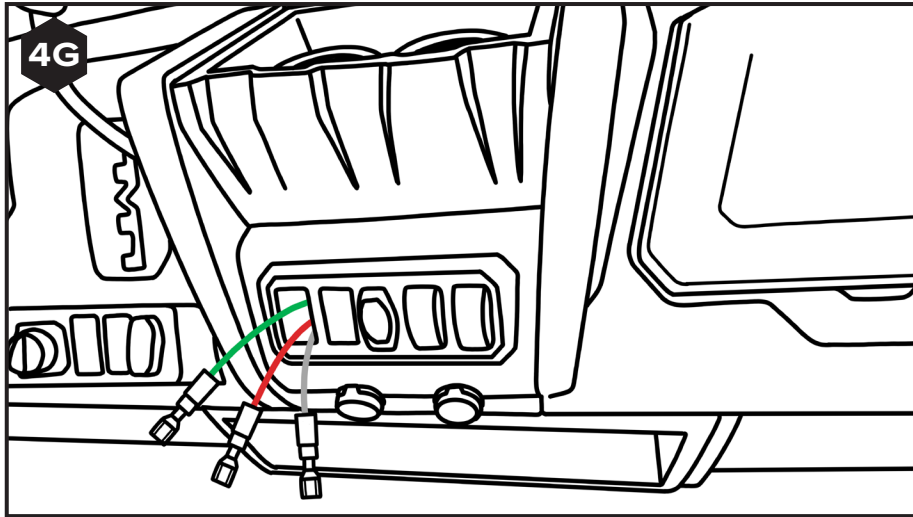
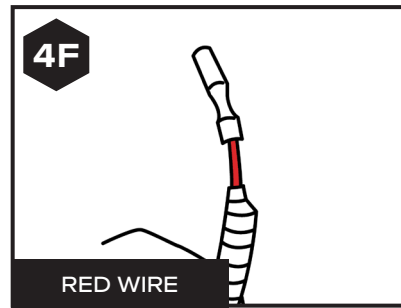
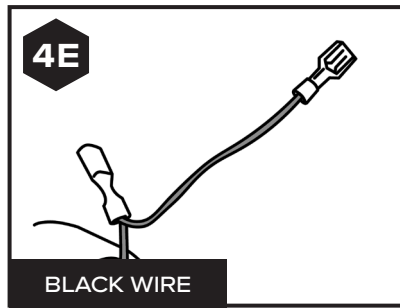
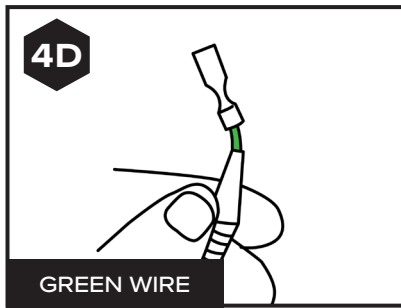


Grab the red spade connector on the Work Light Harness, the two black spade connectors from the Battery Negative Harness, and the green spade connector from the Battery Positive Harness, and bundle all four spade connectors together.

Route all four spades to the open rocker switch location referenced in step 1.i. [SEE FIGURES 4C-4G AND DIAGRAM A]

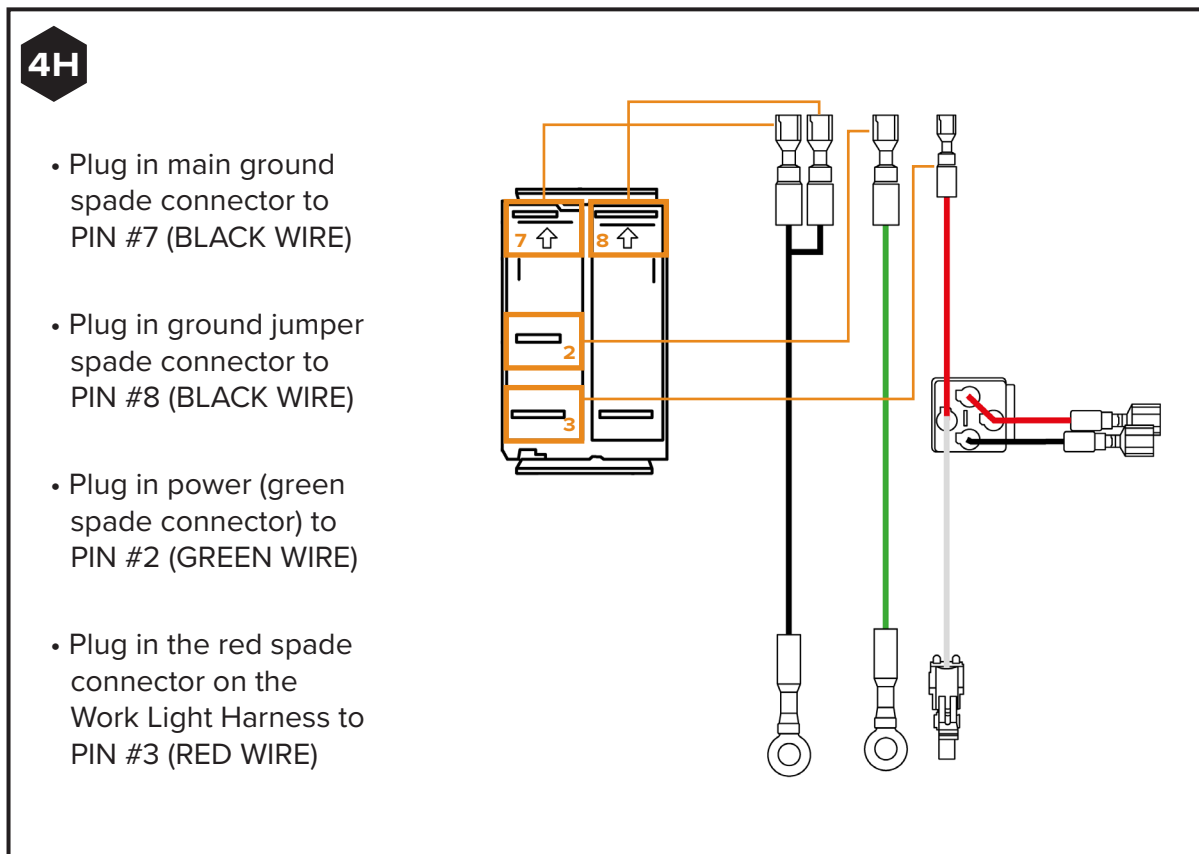
NOTE: Be sure to keep all wiring away from hot or moving components.





iv

Reference diagram below to connect each spade connector to the appropriate spade terminal on the backside of the rocker switch.





Now is time to confirm light works as designed:

- Red Running Light
- Brake Light
- White Work Light (with vehicle on or off)

***NOTE:** If you have turn signal kit hooked up to your UForce; verify the turn signal feature built in to the light.*



TIDY UP YOUR MACHINE



Go over all your wiring and secure it to the different frame tubes and OEM harnesses. [REFERENCE DIAGRAM A FOR OVERVIEW OF WIRING]

***NOTE:** Stay away from hot or moving components.*



Once all of your wiring is secured with the help of the zip ties, cut all the excess zip ties using side cutter pliers.



With your wiring neatly routed and secured to the UForce, reverse steps 1.i. - 1.v. to reinstall the different UForce panels.



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WHY RAVEK

Stock UTVs don't come with enough storage, lighting, comfort, and protection. That's why we started RAVEK.

We live to design, manufacture, and test innovative SxS upgrades that elevate the riding experience. Here's what you can expect from us:

- Durable products built to last (100% lifetime guarantee)
- UTV upgrades thoughtfully designed & tested by riders
- Outstanding installation support (videos & USA customer service)
- Constant flow of epic riding content (check out our social media)

We're confident your RAVEK product will earn its place on your machine. Please call or e-mail us if we can help.

- Harry & Ricky (Brothers & Owners)

MESSAGE FROM THE DESIGNER

When I designed the UTV Multi-function Tail Light, I thought about all the aspects a UTV rider needs: added visibility, sleek look, and easy installation. This product checks all the boxes, which is why I love it. It makes your machine look meaner and makes you and your ride crew safe at night on the trails.



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