RAVEK

CAN-AM MAVERICK X3 2017+

APEX LIGHTS

AMBER

INSTRUCTION MANUAL

RAVEK

CAN-AM MAVERICK X3 2017+

APEX LIGHTS - AMBER

Part #: 65-102A-02

Fitment: CAN-AM MAVERICK X3 2017+

TOOLS NEEDED: **OPTIONAL*

Side Cutter Pliers

10mm Deep Well Socket

13mm Socket

18mm Socket

Ratchet

3mm Allen Wrench

4mm Allen Wrench

13mm Wrench

Extension

Needle Nose Pliers

Lighter / Heat Gun

*11/32" Drill Bit**

*1/4" Drill Bit**

*Drill**

PARTS INCLUDED:

- **Apex Light (2x)**
- **Power Harness (2x)**
- **Extension Harness (2x)**
- **Roll Bar Adapter (2x)**
- **Strap (2x)**
- **Zip Tie (8x)**
- **Double Sided Tape (2x)**
- **Heat Shrink Tubing (1x)**
- **M6 Flat Washer (2x)**
- **M5 x 0.8 x 6mm Allen Screw (4x)**
- **M6 x 1.0 x 10mm Allen Screw (2x)**
- **Adhesive Promoter Wipe (2x)**
- **Rubbing Alcohol Wipe (2x)**
- **Dielectric Grease (1x)**

INSTALL VIDEO TUTORIAL

DON'T LIKE INSTRUCTIONS?

CHECK OUT OUR MAVERICK X3 VIDEO TUTORIAL.

NOTE: Dielectric grease is provided in each kit. We've engineered sealed connectors, but we still recommend applying a small dab of dielectric grease on each connection point for added protection.

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

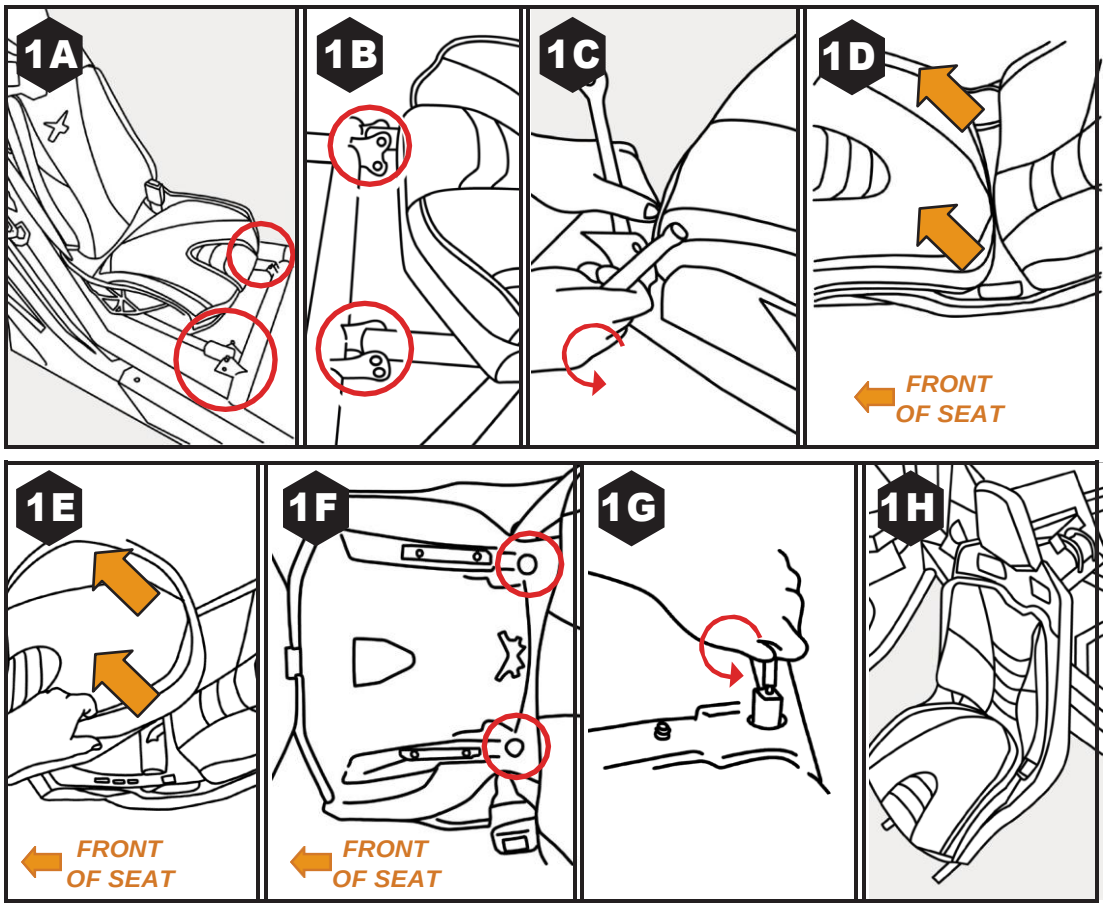
1

REMOVE PASSENGER SEAT

Remove the passenger's seat, following the steps below:

- Remove the two nuts and bolts holding down the front end of the seat using a 13MM WRENCH, RATCHET, and 13MM SOCKET. [SEE FIGURES 1A – 1C]
- Flip the seat pad up to access the nuts holding the seat's rear end down. Use a RATCHET, 6" EXTENSION, and 18MM SOCKET to remove the hardware. [SEE FIGURES 1D - 1G]
- Once the seat's hardware has been removed, remove seat from cabin and set aside. [SEE FIGURE 1H]

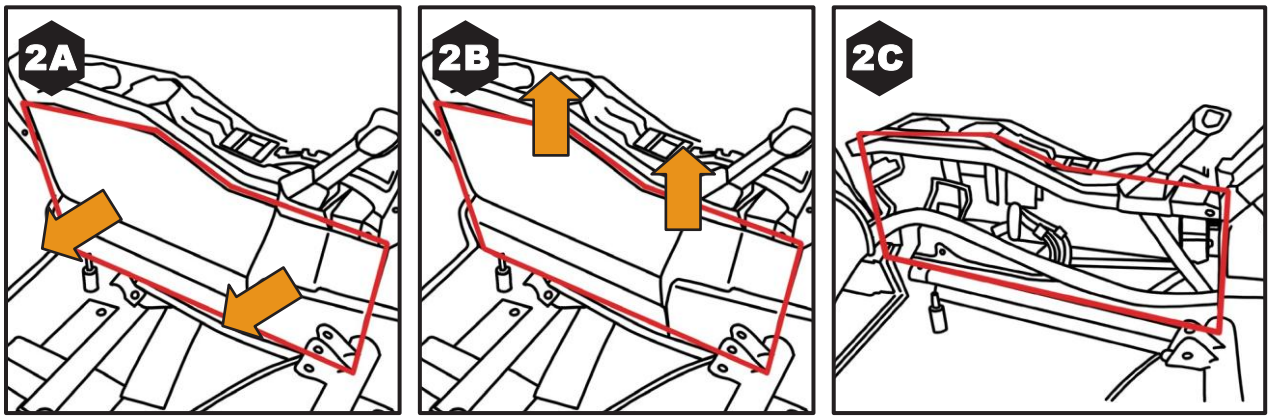
NOTE: The seat belt will still be attached to the seat, but there is no need to remove it. Just lay seat on the floor as the seat belt has enough slack.



2 REMOVE THE CENTER CONSOLE PANEL

Remove the center console panel to access the bus bar.

NOTE: No tools, just gently pull it towards you (outside of the vehicle) and up.

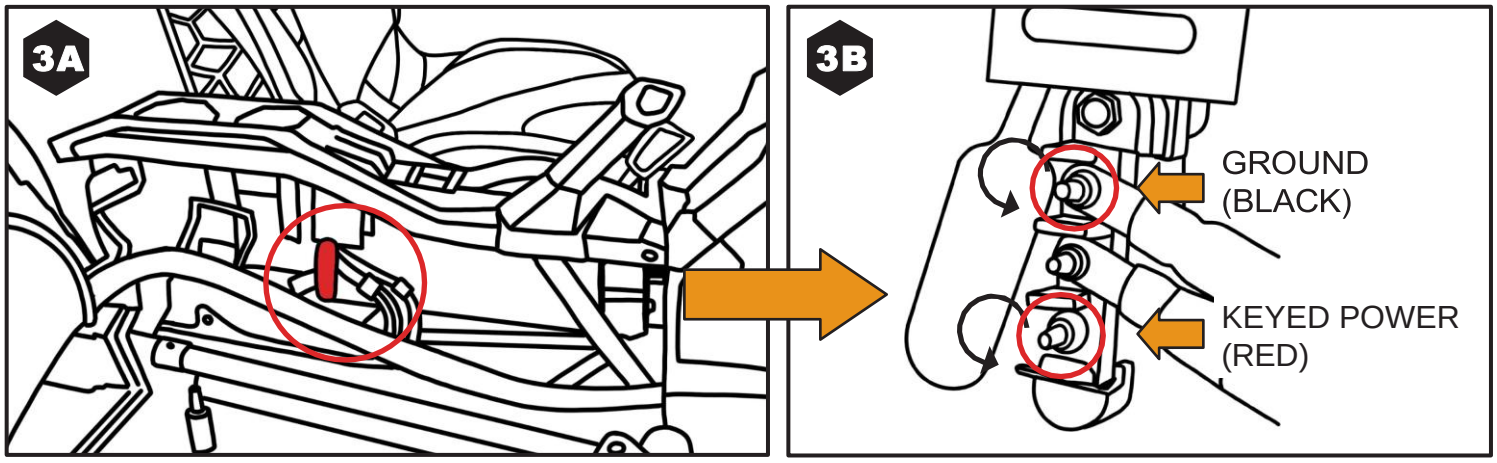


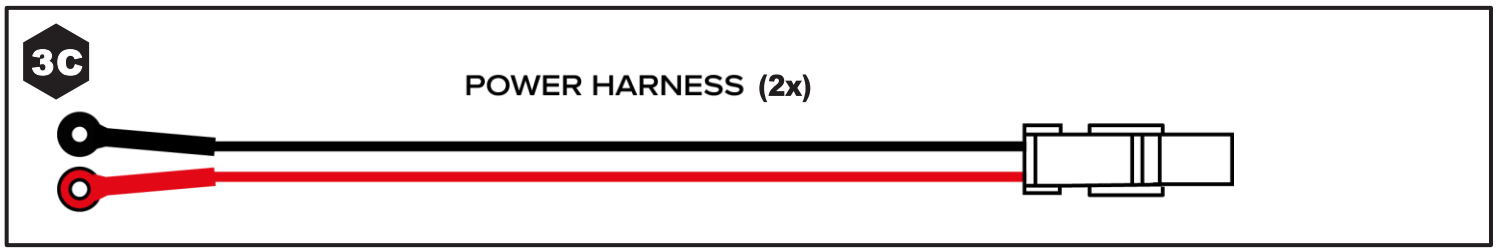
3 HOOK UP RING TERMINALS

Using a 10MM DEEP WELL SOCKET and a RATCHET remove the nuts on the top and bottom terminals of the bus bar as these are Ground and Keyed Power.

1) Once the nuts are removed, hook up the Power Harnesses negative / ground wire (black) to the top terminal. [SEE FIGURES 3A – 3C].

2) Next, hook up the positive wire (red) to the bottom terminal on the bus bar. [SEE FIGURES 3A – 3C]





4 SELECT LOCATIONS FOR APEX LIGHTS

Your options include:

- **Exterior Body Panels**
  Any exterior panel with 8” of flat surface for mounting
- **Roof Mounting**
- **Roll Bar/Bumper Mounting**

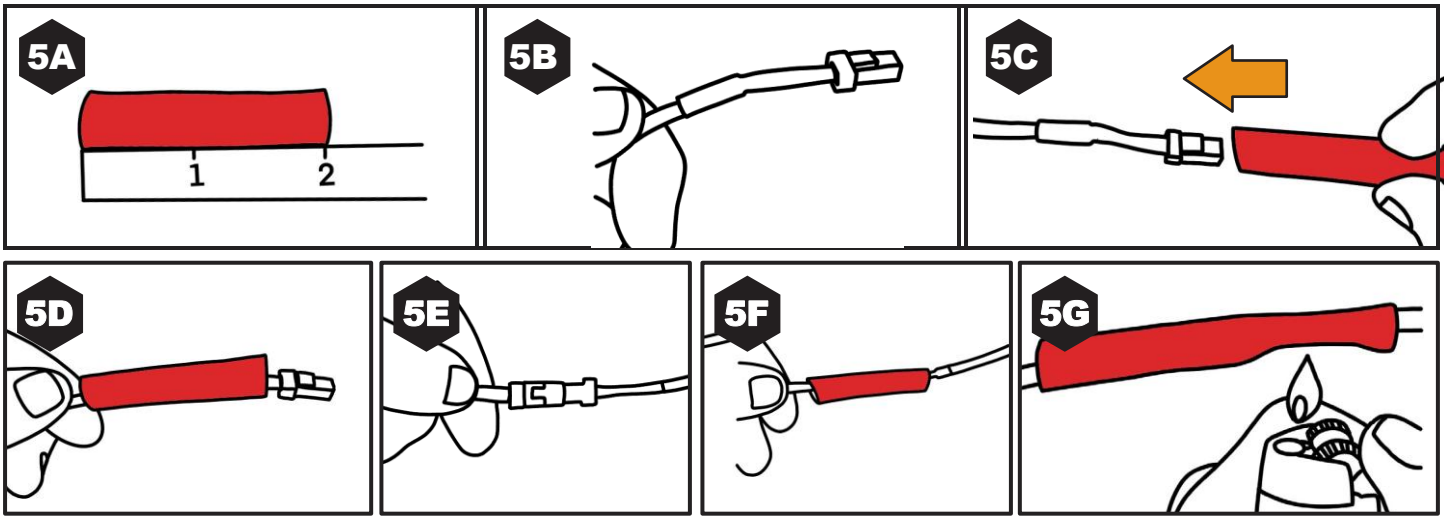
Check out the video to the right (see QR code) for a 50 second walkthrough of all the different mounting options for your Apex Lights.

5 HEAT SHRINK YOUR CONNECTIONS AND EXTRA CONNECTORS

As you make plug & play connections, use the heat shrink tubing, provided to protect your connections from dirt on the trails.

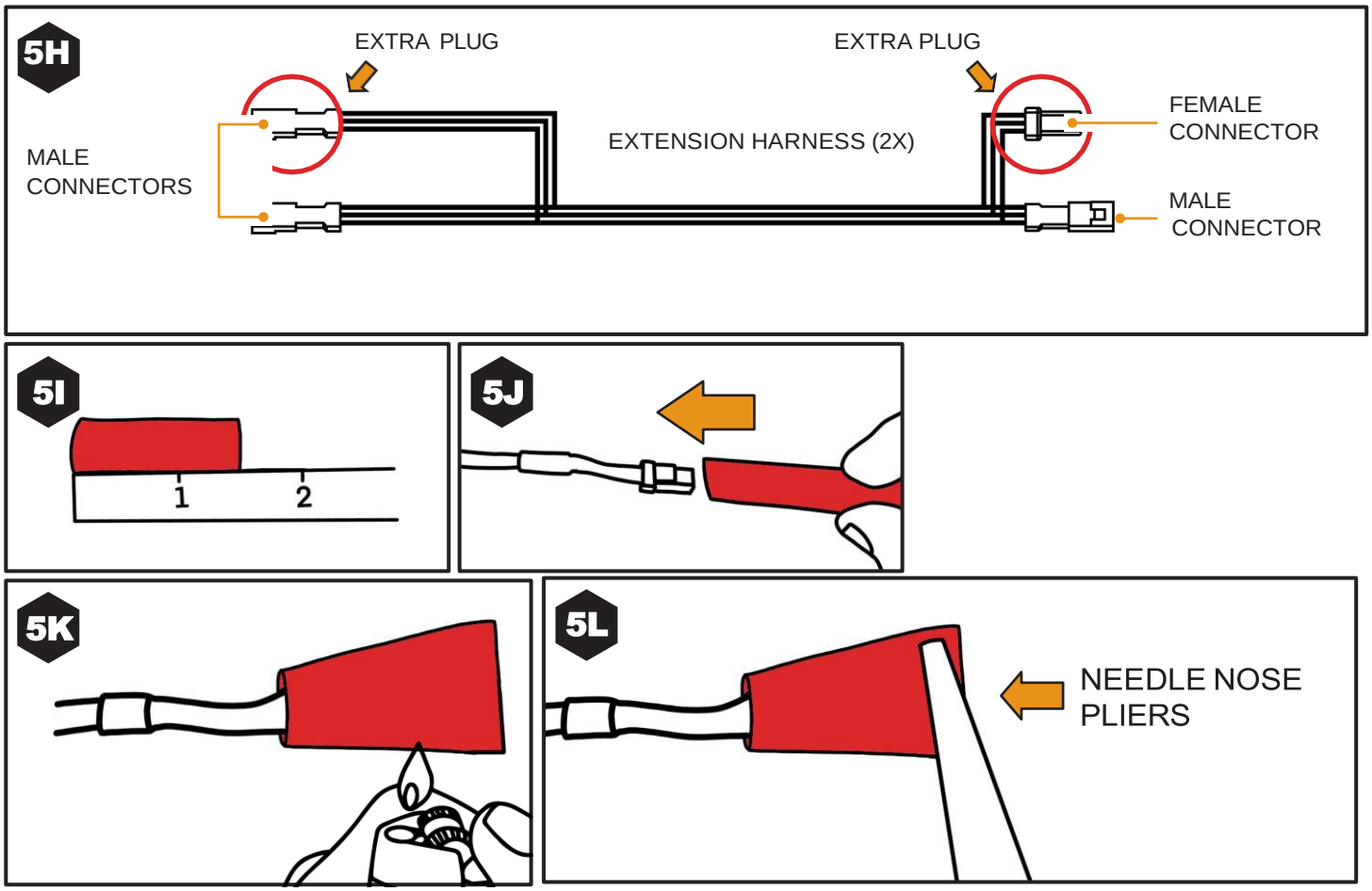
Go over the connection points you make and cut 2” of heat shrink for each. Use a lighter or heat gun to shrink the tubing. [SEE FIGURES 5A – 5G]

HEAT SHRINK CONNECTIONS



For the unused extension harness connectors (mentioned in the next step) cut 1.5” piece of heat shrink tubing, slide it over the connector and heat shrink it using a lighter or heat gun. Use needle nose pliers to pinch the end of the extra heat shrink. This will act as a cap to protect the connectors from getting dirt inside. [SEE FIGURES 5H – 5L]

HEAT SHRINK EXTRA PLUGS

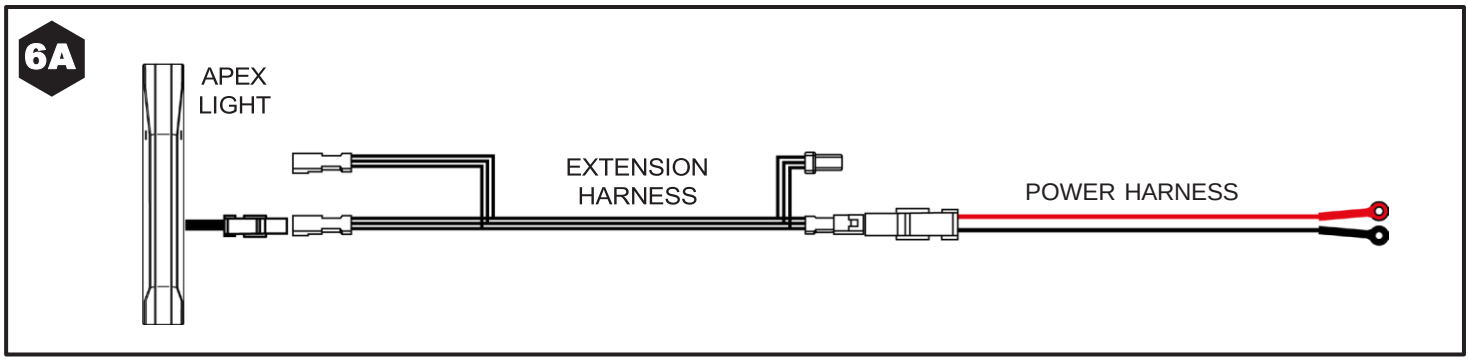


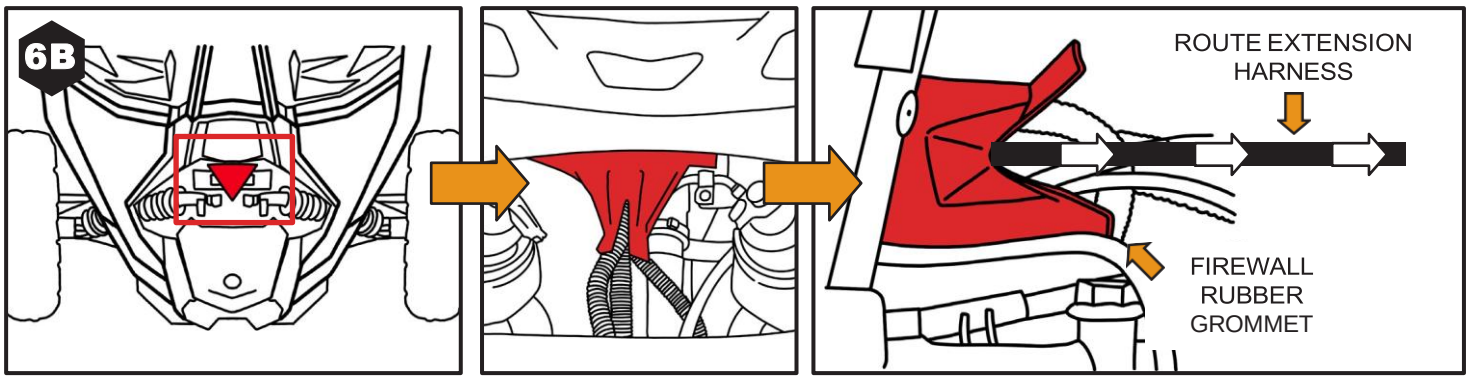
6 ROUTE WIRING

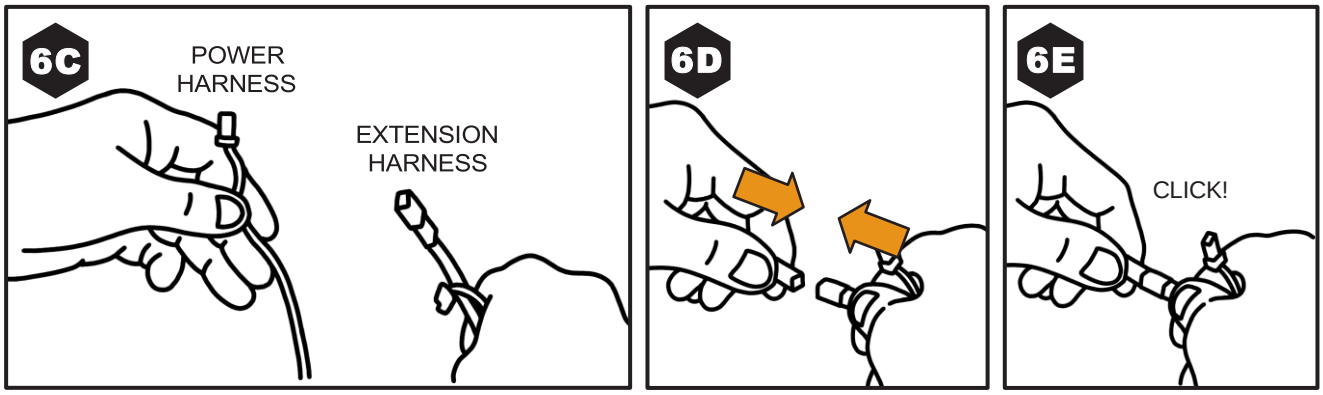
Find the two extension harnesses included in the kit. Take one of the extension harnesses and route the end with two male connectors through the firewall grommet to where you’ll install the Apex Lights.

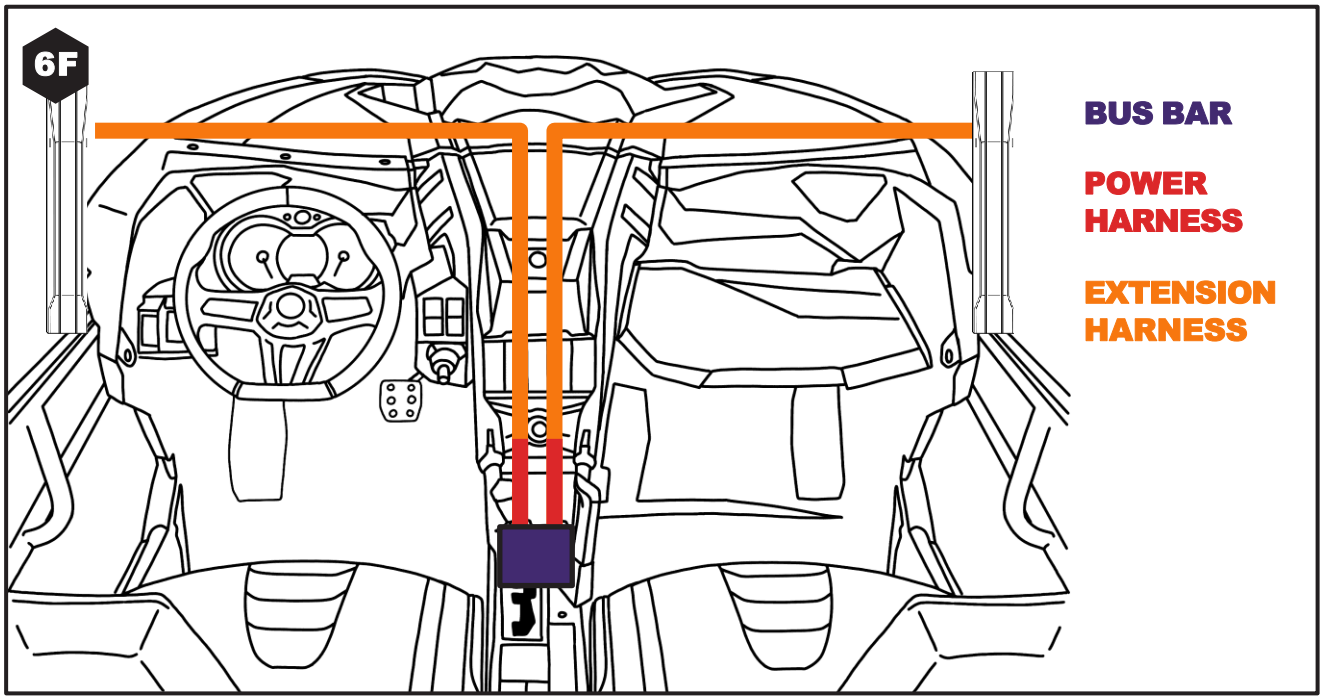
Once you’ve routed your extension harness, connect it to the power harness. [SEE FIGURES 6A – 6F]

NOTE: We suggest you leave slack in wires until end of install when wires can be secured with zip ties provided. Route all wiring away from moving or hot components.


6A
APEX
LIGHT
EXTENSION
HARNESS
POWER HARNESS


6B
ROUTE EXTENSION
HARNESS
FIREWALL
RUBBER
GROMMET


6C
POWER
HARNESS
EXTENSION
HARNESS
6D
6E
CLICK!


6F
BUS BAR
POWER
HARNESS
EXTENSION
HARNESS

7 READY TO MOUNT APEX LIGHT

Once you have routed your extension harness, you are now ready to mount your Apex Lights.

If you have chosen to mount your Apex Lights to a roll bar or bumper, you will follow the Roll Bar mounting steps detailed in step 7A.

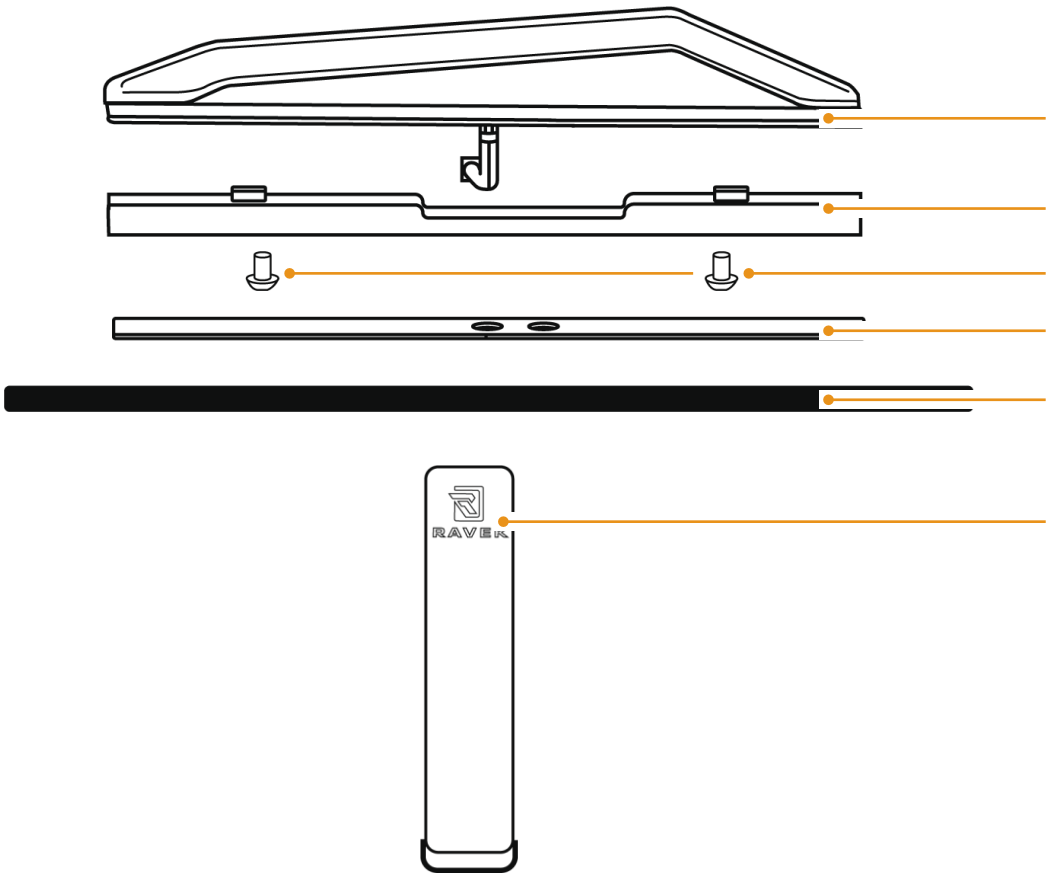
If you have decided to mount your Apex lights to either an exterior panel or to your roof, you now have to decide whether you want to mount your Apex lights via:

a) Adhesive mount (i.e. no drill) → jump to step 7B

b) Drill-mount for increased security → jump to step 7C

7A OPTION A - ROLL BAR MOUNTING:

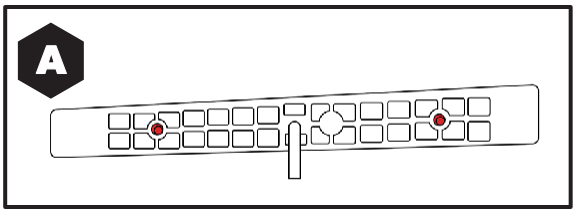
OPTION A DIAGRAM - ROLL BAR MOUNTING

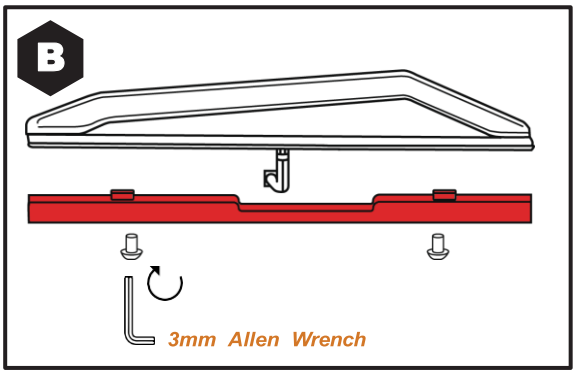


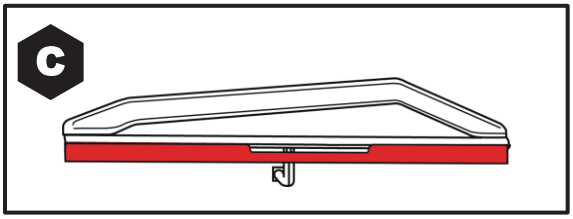
i INSTALL ROLL BAR ADAPTOR

Install the roll bar adapter to the base of the light by using two of the M5 x 0.8 x 6mm Allen Screws with a 3MM ALLEN WRENCH. [SEE FIGURES A – C]

NOTE: Choose which side you would like your wire to exit the light that allows you to best hide your wires.

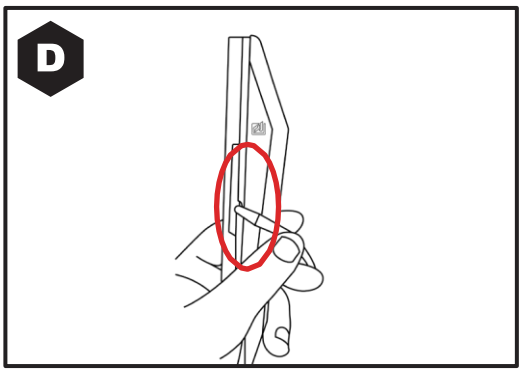


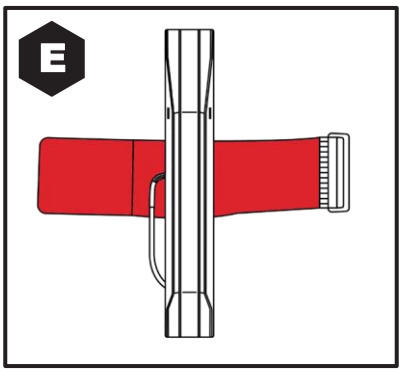




ii INSTALL STRAP

Once the roll bar adapter is securely attached to the light, install the strap provided through the opening between the light base and the roll bar adapter. [SEE FIGURES D & E]

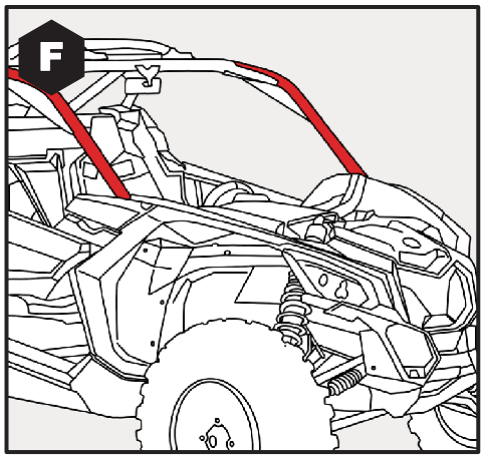


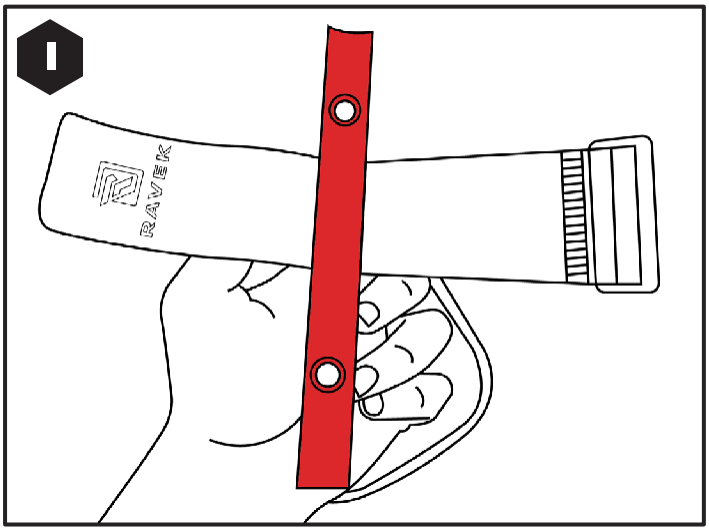


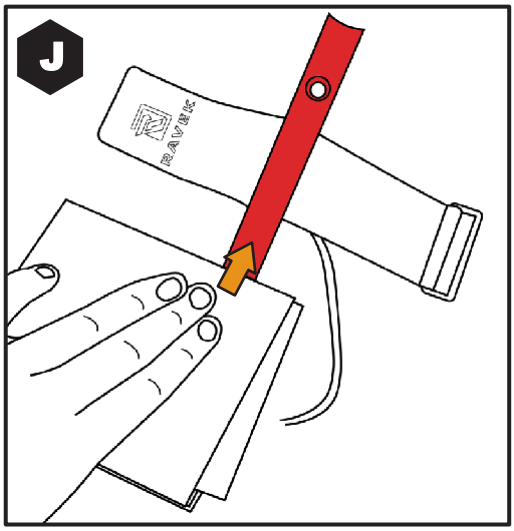
iii WIPE WITH RUBBING ALCOHOL

Before you permanently install your Apex light to the UTV's roll bar you've chosen, wipe down the roll bar and the base of the light with the rubbing alcohol wipe provided and let dry.

Next wipe down the roll bar and light base with the adhesion promoter wipe provided. Let dry. [SEE FIGURES F – J]



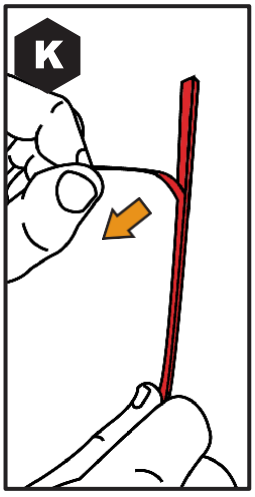


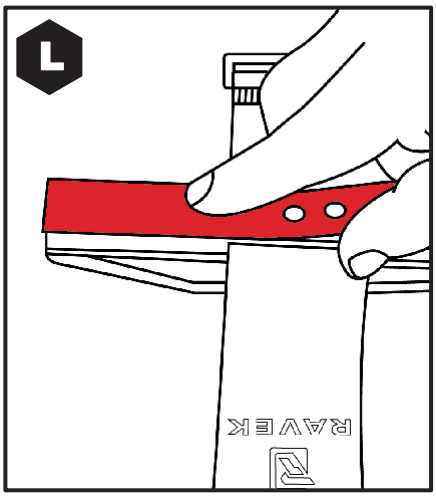


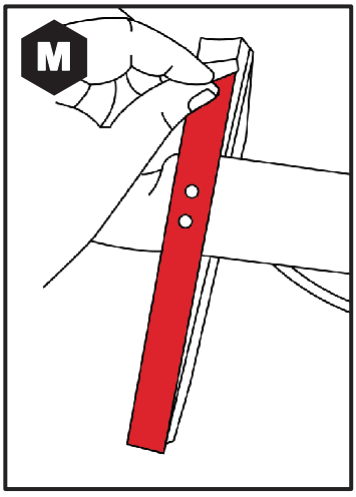
iv

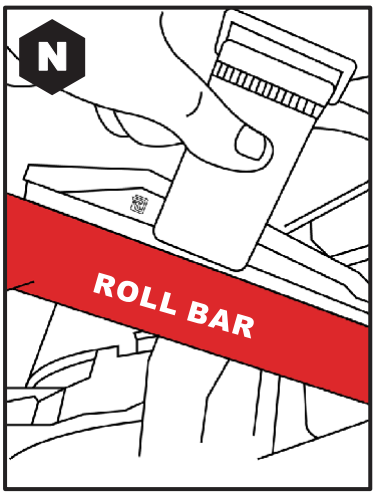
APPLY TAPE

Apply the double-sided tape to the dry Apex light's roll bar adapter, and attach the light to the surface you cleaned and prepared in the prior step. [SEE FIGURES K – N]







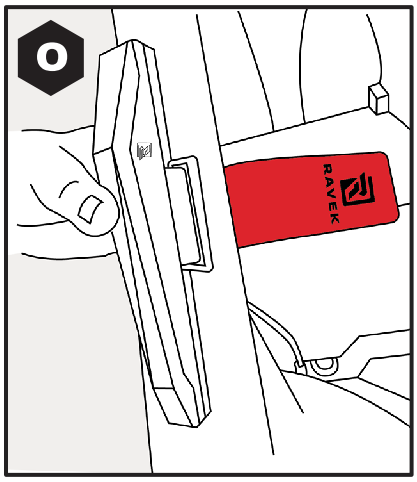


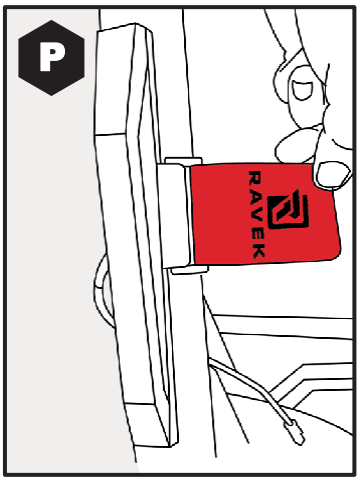
v

TIGHTEN STRAP

Tighten straps onto base and roll bar. [SEE FIGURES O & P]

NOTE: If you have excess length of strap you can rotate the buckle away from the slack to reduce the slack in the strap.



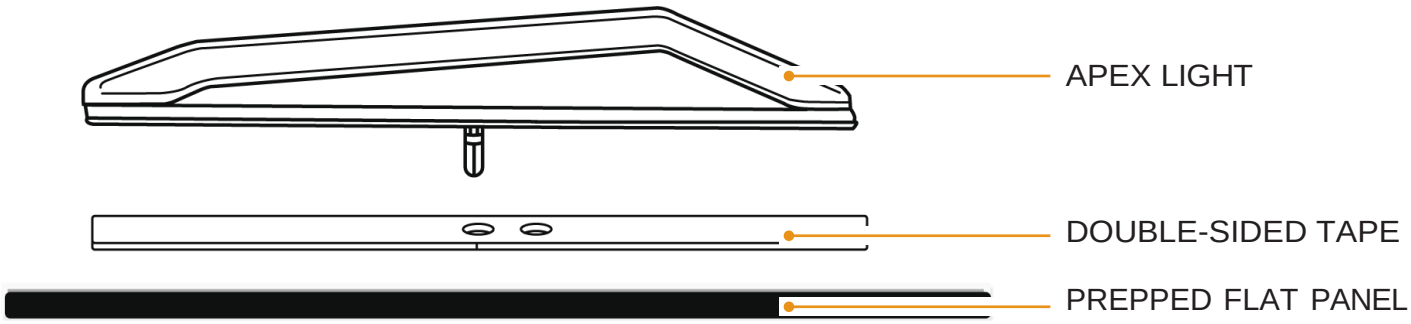


JUMP TO STEPS 8-11 TO FINISH INSTALL

7B

OPTION B - ADHESIVE ONLY MOUNTING:

OPTION B DIAGRAM - ADHESIVE ONLY MOUNTING

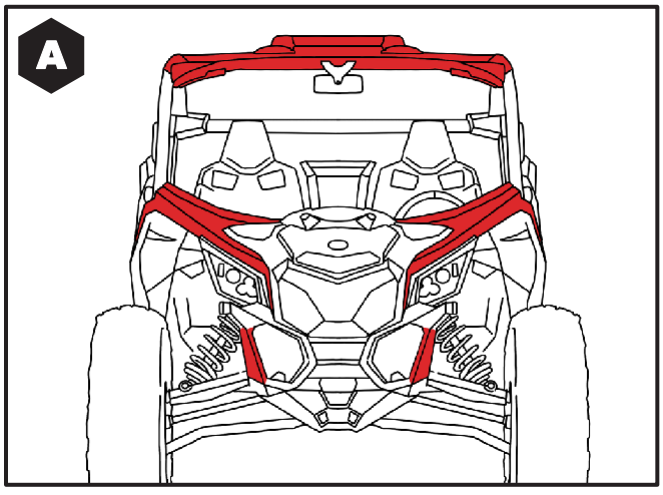


i

LOCATE A SURFACE TO MOUNT TO

Locate an exterior panel with 8” of flat surface for mounting. [SEE FIGURE A]

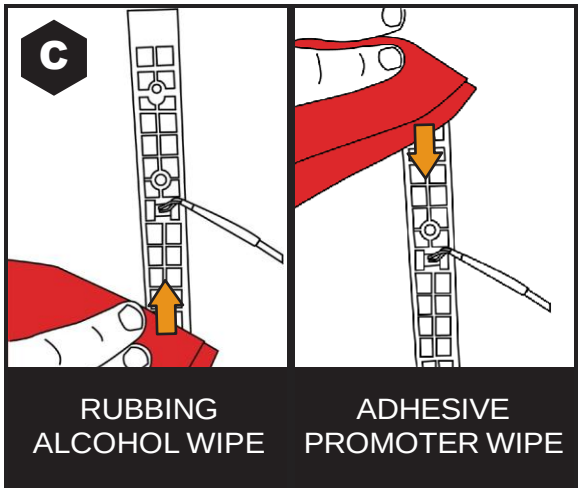
NOTE: If you’re adhesive mounting the Apex Lights to the roof, we recommend drilling a hole to feed the wires through. The Apex Light adhesive creates a water-tight seal.



ii WIPE DOWN SURFACES

Before you permanently install your Apex light to the UTV's flat panel you've chosen, wipe down the panel and the base of the light with the rubbing alcohol wipe provided and let dry.

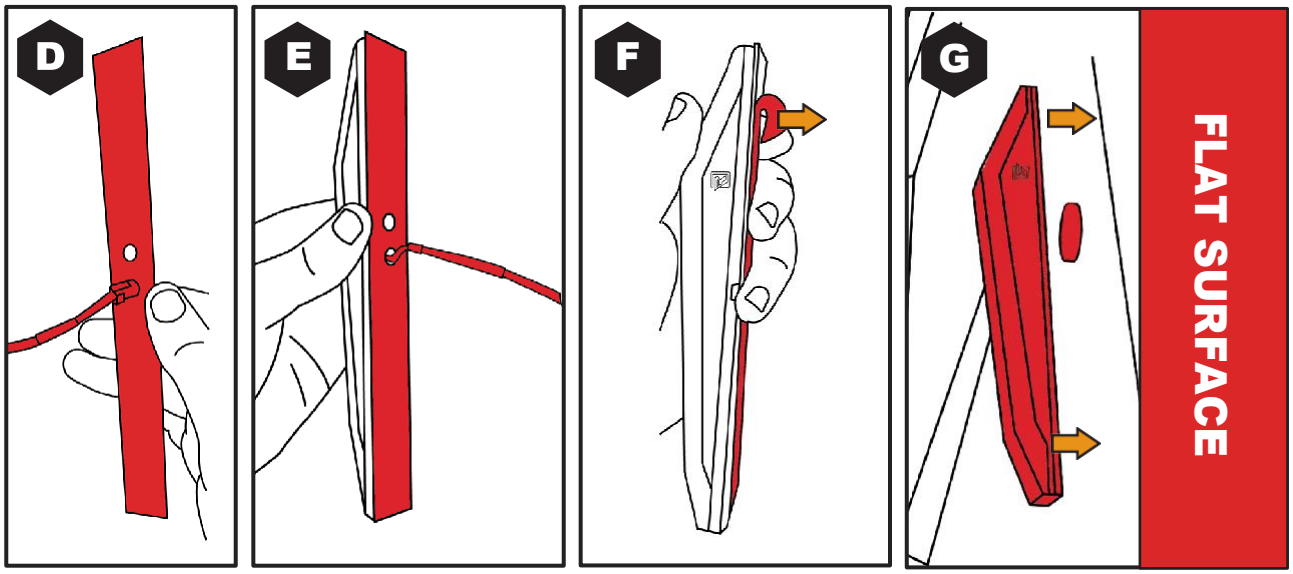
Next wipe down the panel and light base with the adhesion promoter wipe provided. Let dry. [SEE FIGURES B & C]



iii APPLY TAPE

Apply the double-sided tape to the Apex light's base and affix the light to the prepped surface. [SEE FIGURES D – G]

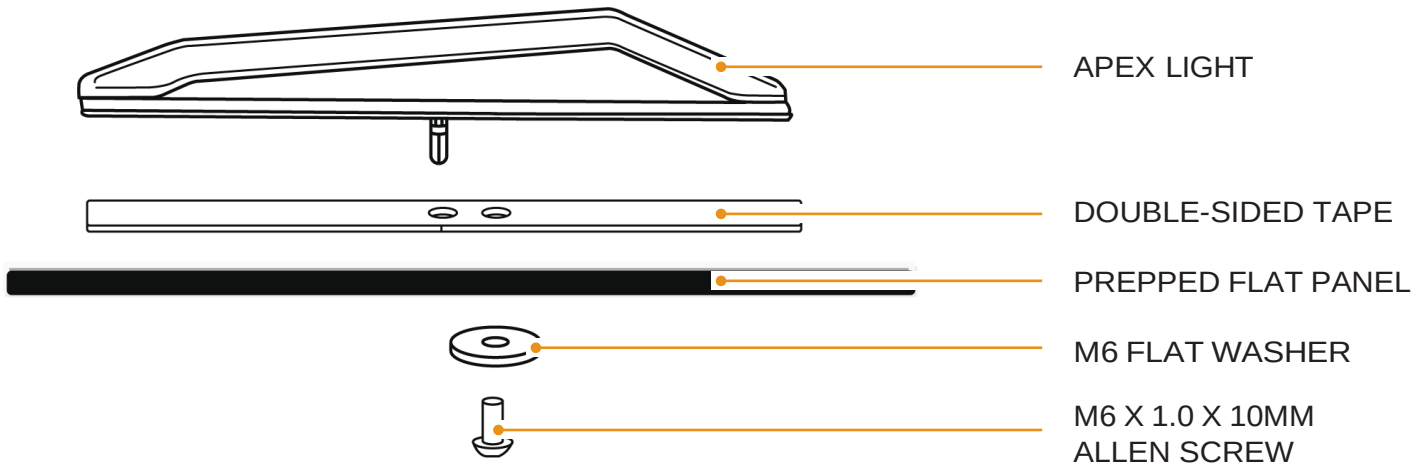
NOTE: Be sure the whole light's base is in contact with the surface of the UTV to ensure the light will hold up permanently.



JUMP TO STEPS 8-11 TO FINISH INSTALL

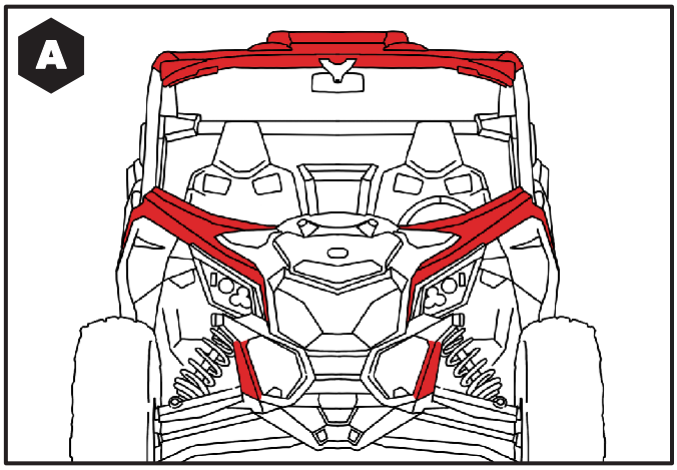
7C OPTION C - DRILLED AND ADHESIVE MOUNTING:

OPTION C DIAGRAM - DRILLED AND ADHESIVE MOUNTING



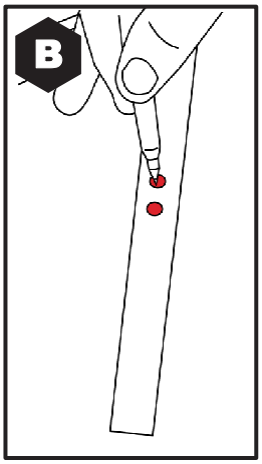
i LOCATE A SURFACE TO MOUNT TO

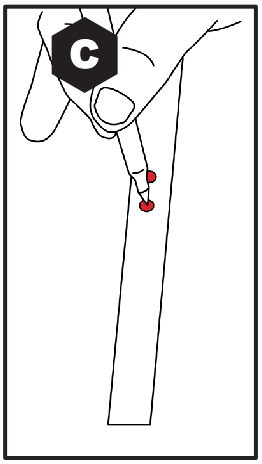
Locate an exterior panel with 8” of flat surface for mounting. [SEE FIGURE A]

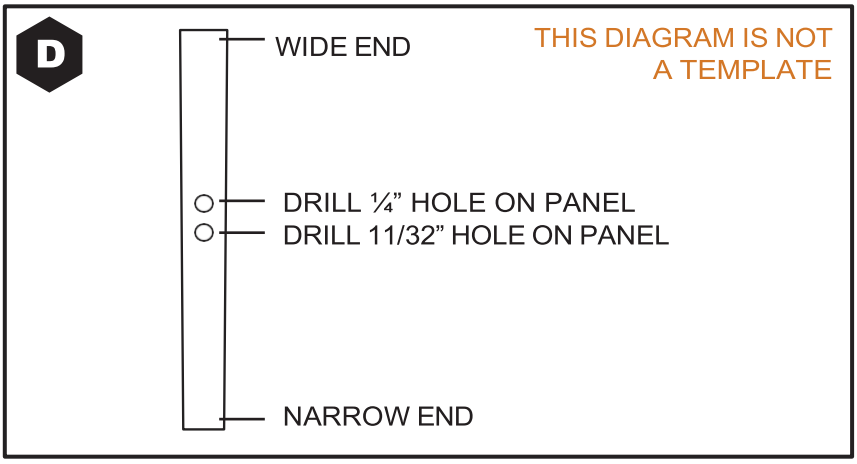


ii MARK HOLES TO DRILL

Use the double-sided tape holes as a template for the drilling locations. Confirm you can access the inside of the panel that you’ll need to be able to access this area with your flat washer. [SEE FIGURES B – D]







iii

DRILL ¼" HOLE

Once you have your holes marked, drill a ¼" hole that will be used to feed the screw through.

NOTE: We recommend using a brad point drill bit to avoid damaging your panel.

iv

DRILL 11/32" HOLE

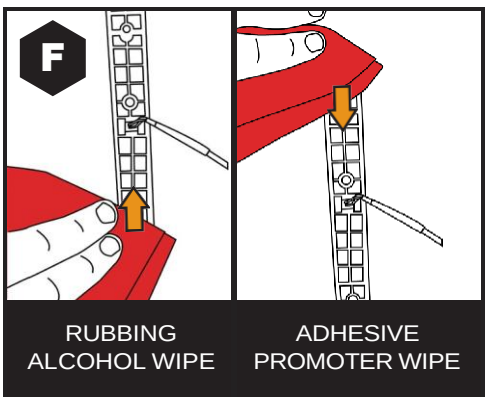
Drill a 11/32" hole that you will feed the Apex light's wire connector through.

v

WIPE SURFACE WITH RUBBING ALCOHOL

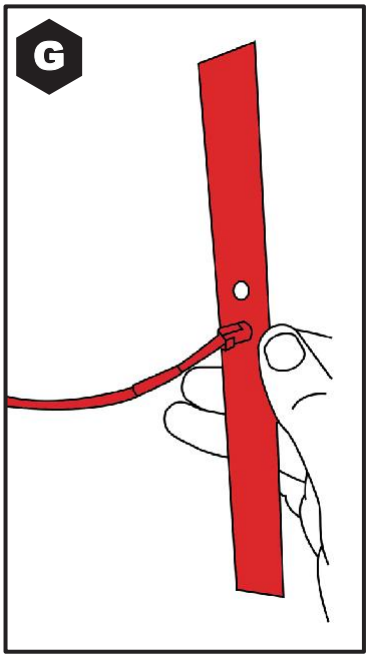
Before you permanently affix your Apex light to the UTV's flat surface you've chosen, wipe down the flat surface and the base of the light with the rubbing alcohol wipe provided and let dry.

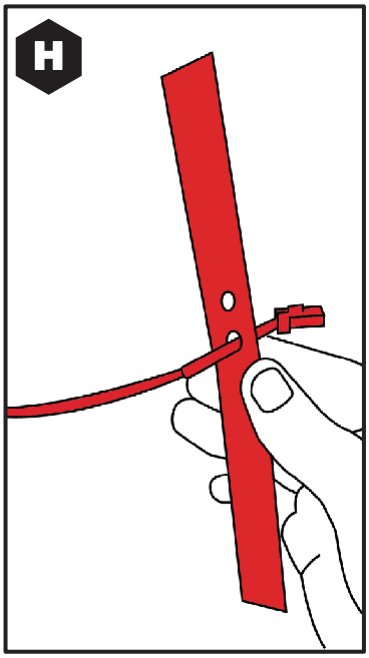
Next wipe down the flat surface and light base with the adhesion promoter wipe provided. Let dry. [SEE FIGURES E & F]

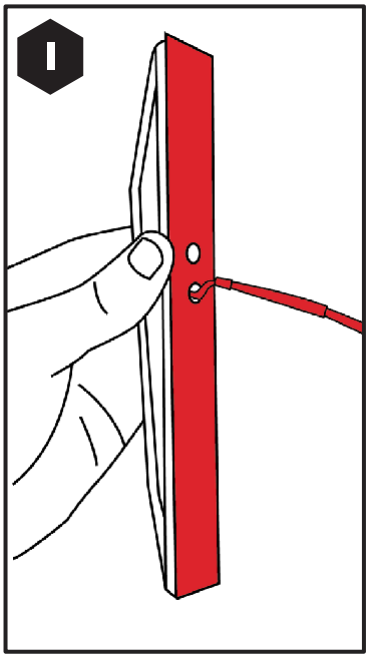


vi APPLY TAPE

Apply the double-sided tape to the Apex light's base. [SEE FIGURES G – I]

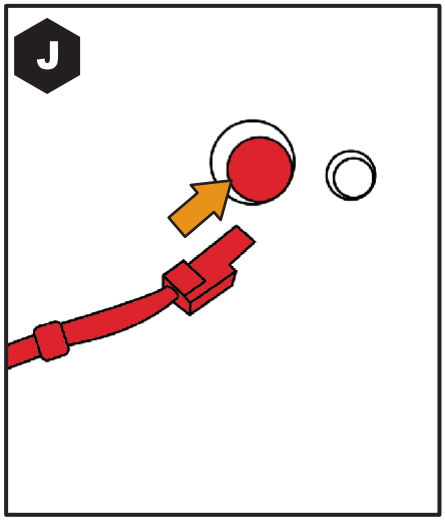


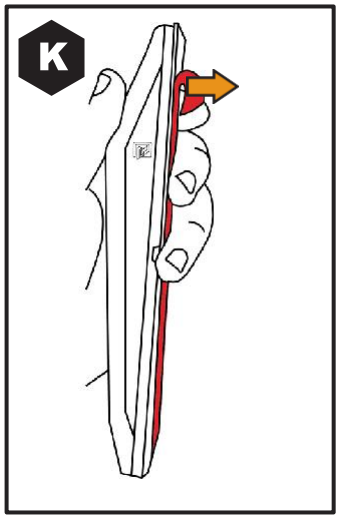


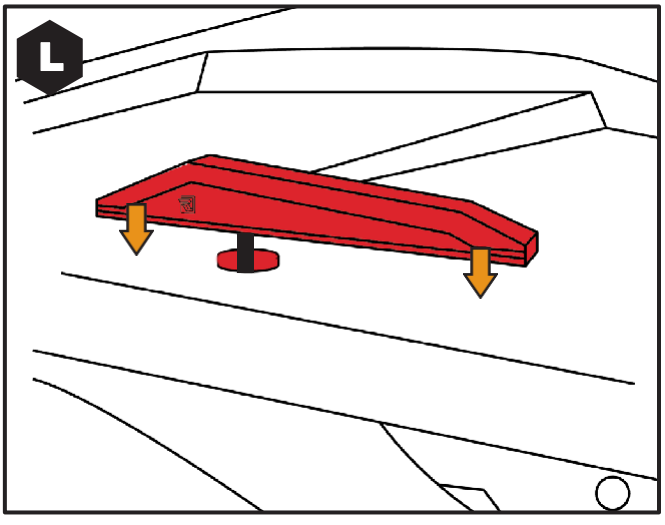


vii ADHERE LIGHT TO PREPPED SURFACE

Feed your light's wiring through the 11/32" hole. Peel away the double-sided tape cover, and stick the Apex light to the prepped surface. [SEE FIGURES J – L]







viii

THREAD IN SCREW

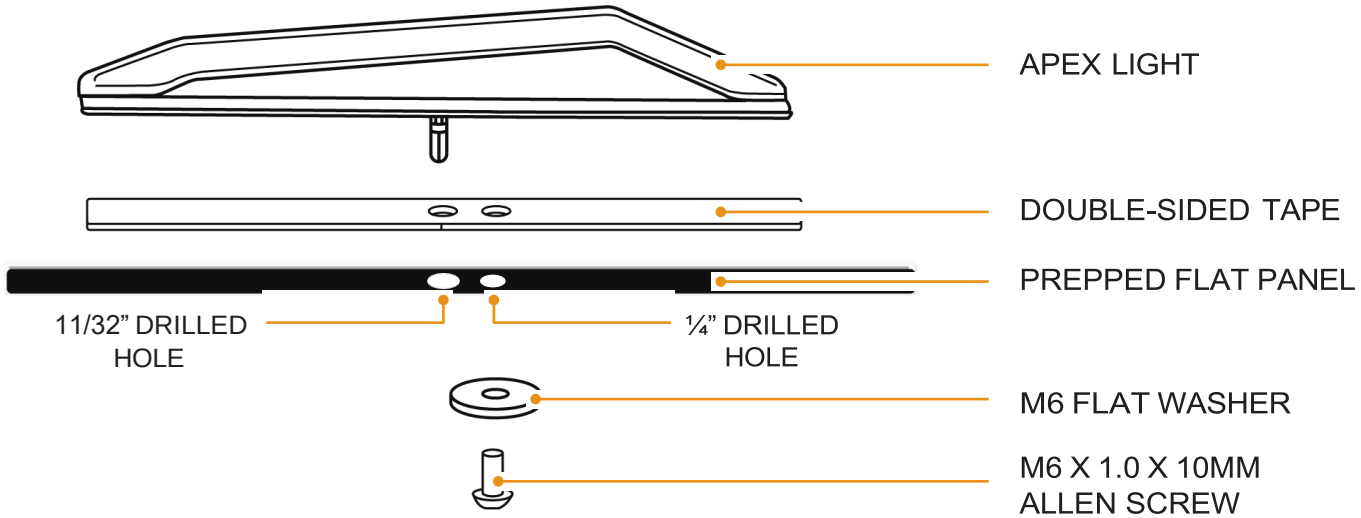
Thread your M6 x 1.0 x 10mm Socket Allen Screw with an M6 Flat Washer through the backside of the panel into the light's base using a 4MM ALLEN WRENCH. [SEE FIGURES M & N]

NOTE: If a longer screw is required, you have two options:

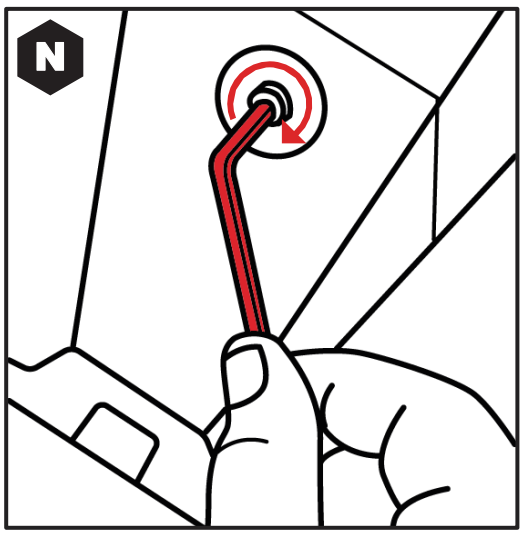
1. Give us a call or email, and we will express mail you a screw of the length you need.

2. Go to your local hardware store and purchase a M6 x 1.0 x (your desired length).

M



N

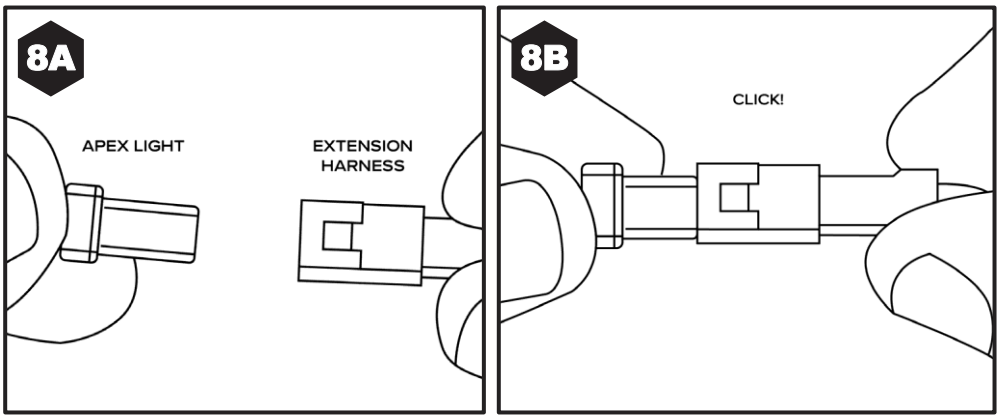


JUMP TO STEPS 8-11 TO FINISH INSTALL

8 PLUG IN THE APEX LIGHT

Plug your Apex light into the extension harness. [SEE FIGURES 8A & 8B]

NOTE: Remember to heat shrink all your connection points as shown in step 5.



9 REPEAT STEPS 1 TO 8

Repeat step 1 through 8 on the right side of the Maverick to install your other Apex light.

10 LET THE ADHESIVE CURE

Let adhesive tape cure for 24 hours before riding.

11 SECURE WIRING

Once you have both of your Apex lights mounted, go through and secure all the wiring using the zip ties provided.

NOTE: Secure wiring away from hot or moving components.

NOTE: Remember to heat shrink all your connection points as shown in step 5.

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WHY RAVEK

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

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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

To me these are the real 'enthusiast spec'. There's just something about amber running lights that look mean and aggressive. With most cars on the road having white DRLs, amber running lights always look so distinct. I was inspired by that vibe when really pushing for Amber as an option with the Apex Lights and I couldn't be happier, I hope customers feel that too.

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