



RAVEK

**HONDA PIONEER 2022+
GEN3 SPEAKEASY
TURN SIGNAL KIT**

WITH WHITE RUNNING LIGHTS



INSTALLATION INSTRUCTIONS

Part #: 66-100SL
Fitment: HONDA PIONEER 2022+

PARTS INCLUDED:

- **CONTROLLER (1X)**
- **HORN (1X)**
- **APEX LIGHT (2X)**
- **POWER HARNESS (1X)**
- **INPUT HARNESS (1X)**
- **OUTPUT HARNESS (1X)**
- **WIRELESS RECEIVER (2X)**
- **REAR HARNESS (1X)**
- **DASH INDICATOR HARNESS (2X)**
- **ROLL BAR ADAPTOR (2X)**
- **STRAP (2X)**
- **WIRE TIES (20X)**
- **DOUBLE SIDED TAPE STRIP (2X)**
- **M6 X 1.0 X 16MM ALLEN SCREW (2X)**
- **M6 FLAT WASHER (2X)**
- **M5 X 0.8 X 6MM ALLEN SCREW (4X)**
- **M6 X 1.0 X 10MM ALLEN SCREW (4X)**
- **ADHESIVE PROMOTER WIPE (3X)**
- **RUBBING ALCOHOL WIPE (3X)**

BEFORE YOU BEGIN — INSPECT YOUR KIT

Verify all components listed in the What's in the Kit section and Parts Addendum are present and undamaged before starting. If anything is missing or damaged, stop and contact RAVEK at 1-855-617-2787 before proceeding. Proceeding with installation constitutes acknowledgment that all components were received and inspected. RAVEK cannot be held responsible for incomplete installations resulting from uninspected or unreported missing components.

⚠ STREET LEGAL NOTICE

Installation of a RAVEK Turn Signal Kit does not automatically authorize your UTV / side-by-side for on-road use. Street-legal requirements for UTVs vary significantly by state, county, and municipality — and in some jurisdictions, no amount of added equipment qualifies a UTV for public road operation. It is the sole responsibility of the user to verify local requirements before operating on any public roadway.

Notice: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

TOOLS NEEDED:



Flathead
Screwdriver



Drill



3mm Allen
Wrench



4mm Allen
Wrench



Needle Nose
Pliers



Ratchet



Push Pin
Pliers



5/16"
Drill Bit



1/4"
Drill Bit



10mm
Socket



10mm
Wrench

INSTALLATION VIDEO GUIDE

SCAN CODE FOR VIDEO WALKTHROUGH:

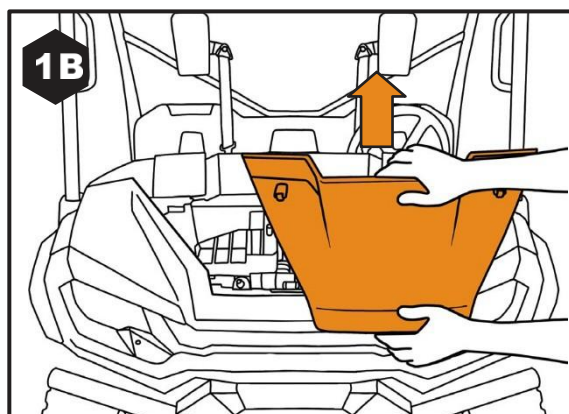
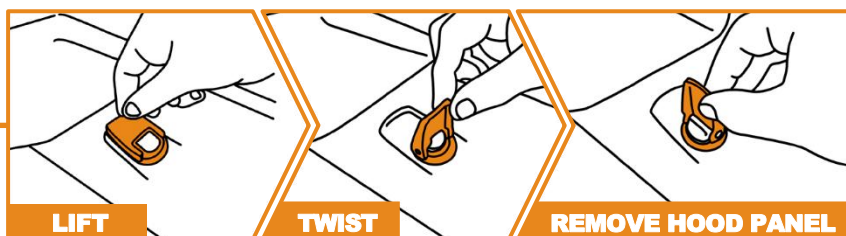
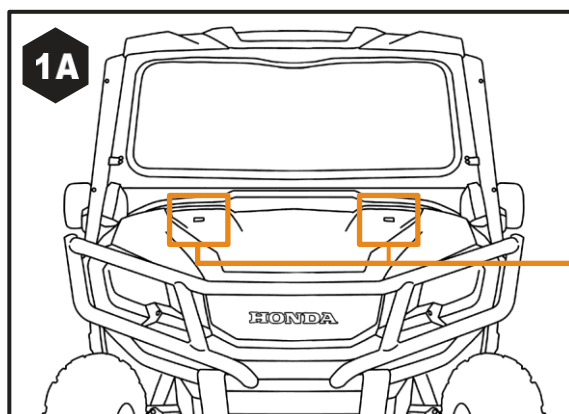


1

DISCONNECT THE BATTERY

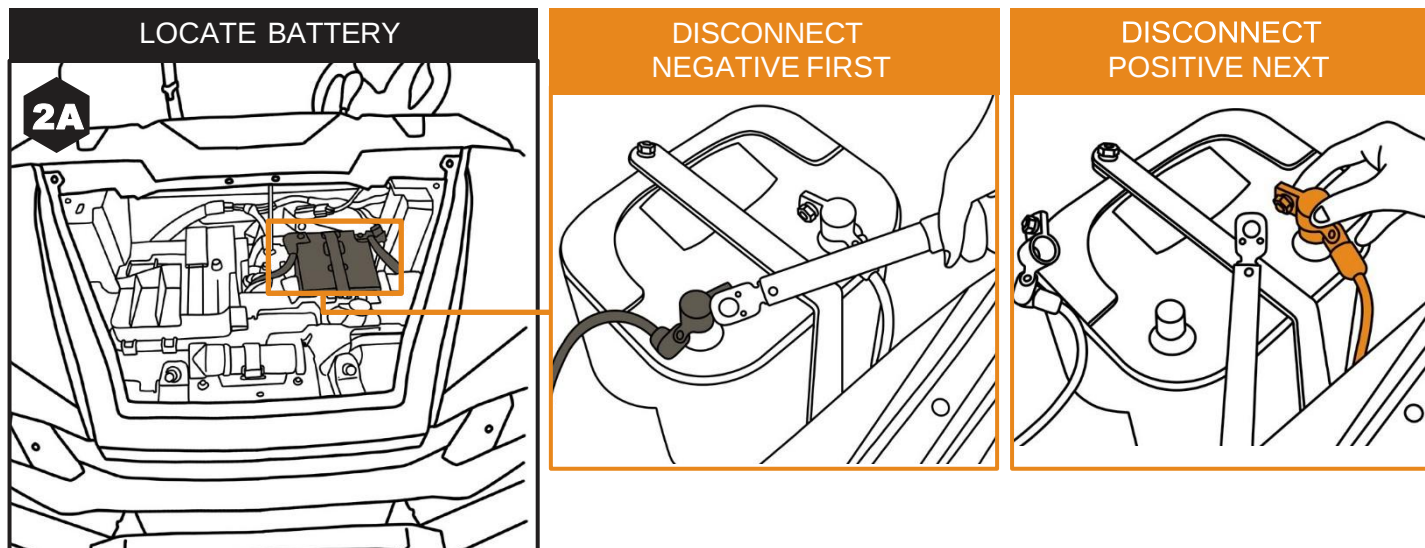
1

- Release the hood latches, then lift and remove the hood from the machine. [SEE FIGS. 1A & 1B]

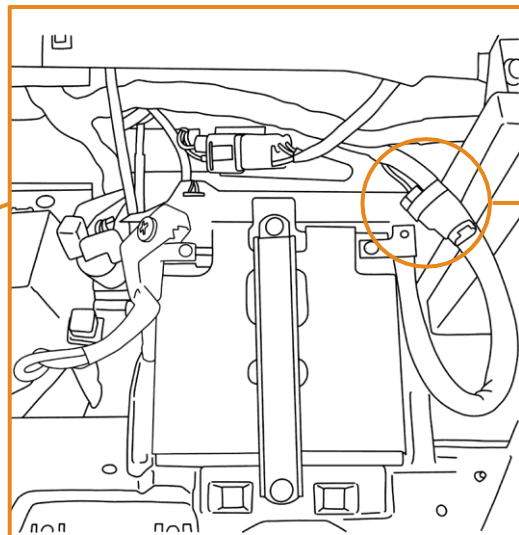
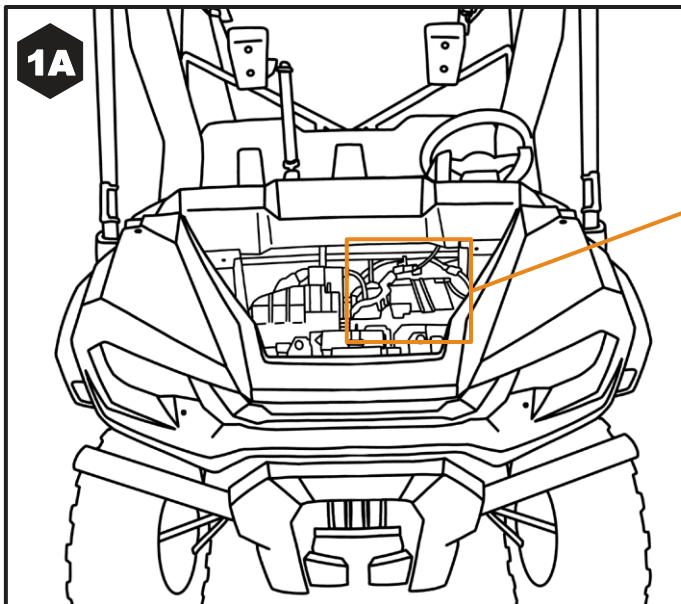


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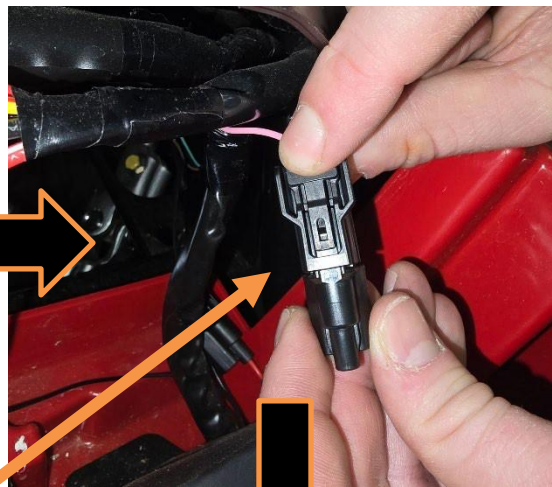
- Access the battery. With a 10 mm wrench, disconnect the terminals in the proper sequence [SEE FIG 2A]:
 - Remove the negative (–) terminal first to prevent accidental grounding.
 - Then disconnect the positive (+) terminal.



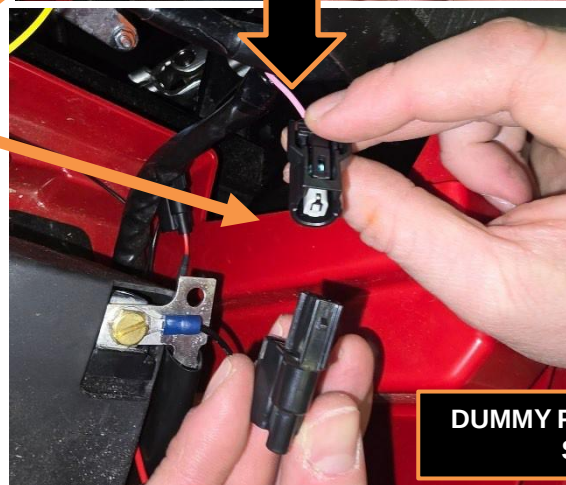
- Near the battery, locate the 12V accessory plug on the main harness. This connector is typically secured with tape—remove the tape to expose the plug. [SEE FIG 1A]
- Remove the OEM dummy plug from the 12V accessory connector to open the port for use. Press the release tab on the connector, then pull the dummy plug out. [SEE FIG 1B]
- Connect the supplied power harness from your kit to the now open 12V accessory plug on the main harness.
- The supplied power harness includes an additional open accessory plug for future accessories. Install the OEM dummy plug (removed earlier) onto this open port to keep it sealed and protected. [SEE FIG 1C]
- Route the ground lead from the power harness toward the battery's ground, but do not connect the ground yet.
- The ground will be connected in a later step prior to testing the system. [SEE FIGS. 1A – 1C IN NEXT PAGE]



OPEN 12V ACCESSORY PLUG BY BATTERY



**REAL IMAGES SHOWN FOR BEST
VISUAL REFERENCE**



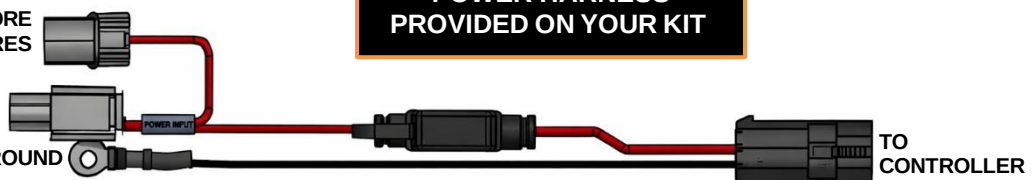
**DUMMY PLUG REMOVAL
SHOWN**

1C

LEFT OPEN FOR MORE
ACCESSOIRES

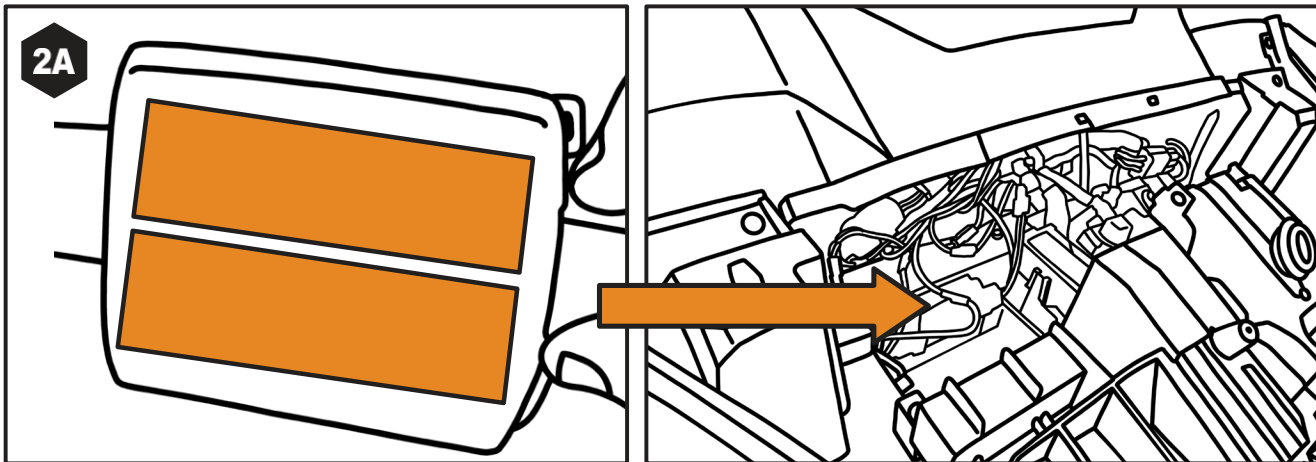
PLUG INTO OEM 12V
ACCESSORY PLUG
TO BATTERY GROUND

**POWER HARNESS
PROVIDED ON YOUR KIT**



2

- With the hood removed, move to the area under the hood to mount the turn signal controller.
- Identify a flat, clean mounting surface beneath the hood where the controller can be securely installed.
- Prepare the surface by first wiping it down with the supplied alcohol wipe to remove dust, debris, or grease.
- After cleaning, apply the adhesive promoter to the same area to ensure maximum adhesion. Allow the prepared surface to dry completely before proceeding.
- Once dry, mount the turn signal controller using the double-sided tape pre-installed on the controller, pressing firmly to secure it in place as shown. Refer to FIG. 2A & 2B for visual guidance.

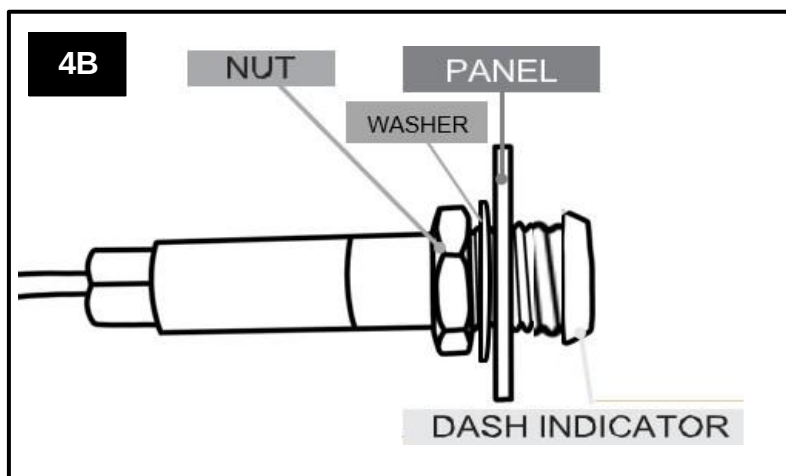
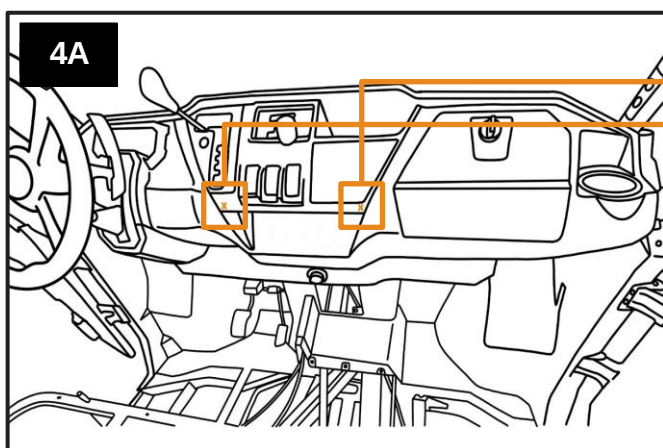


- Plug each dash indicator harness into the correctly labeled LEFT TURN and RIGHT TURN ports on the turn signal controller. (**Refer to the Turn Signal Kit Wiring Diagram in Page 22 & 23**).
- After connecting the harnesses, route the indicator wires—with the lights on the ends — toward the backside of the dash. Ensure the wires are not pinched, strained, or routed near moving components.
- This routing is necessary because, in the next step, you will drill and mount each indicator light into the dash:
 - The light connected to the LEFT TURN port will be drilled and installed on the left side of the dash.
 - The light connected to the RIGHT TURN port will be drilled and installed on the right side of the dash.
- This placement provides clear visibility of which turn signal is activated when operating the full kit. [SEE FIG. 3A]

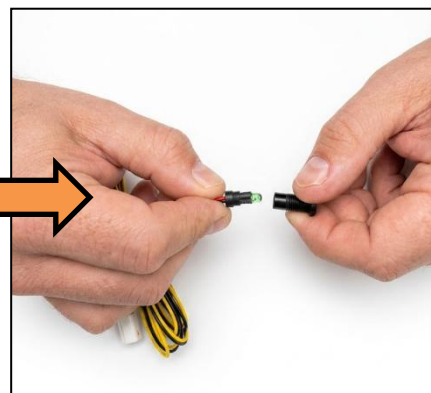
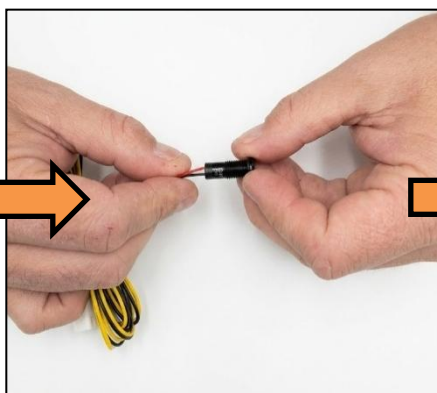
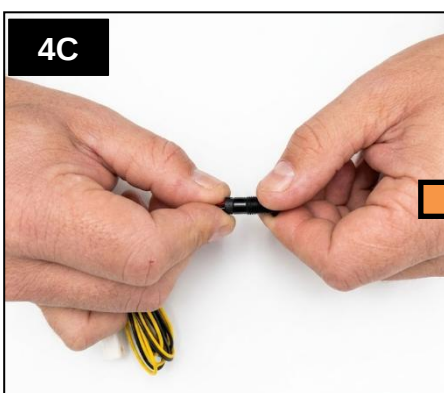


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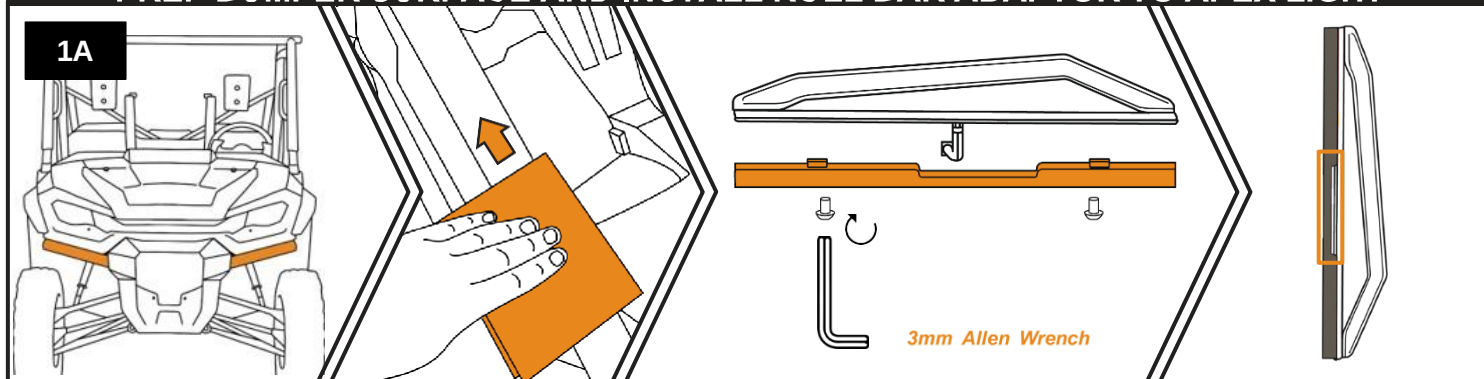
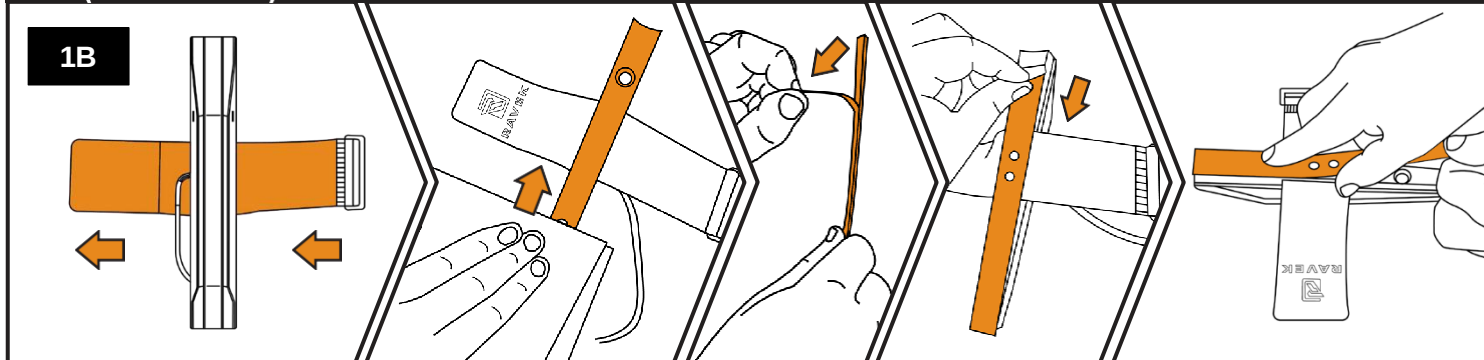
- Mount the dash indicators onto the Pioneer dash. Scan the Tech Tip for a quick video guide on how to install your dash indicators.
 - We recommend placing them on the lower portion of the dash as shown in FIG. 4A.
- Drill the mounting holes using a **5/16" DRILL BIT**.
- Reach behind the dash to secure the indicators using the supplied washers and nuts. [SEE FIGS. 4A – 4C]



SCAN FOR TECH TIP

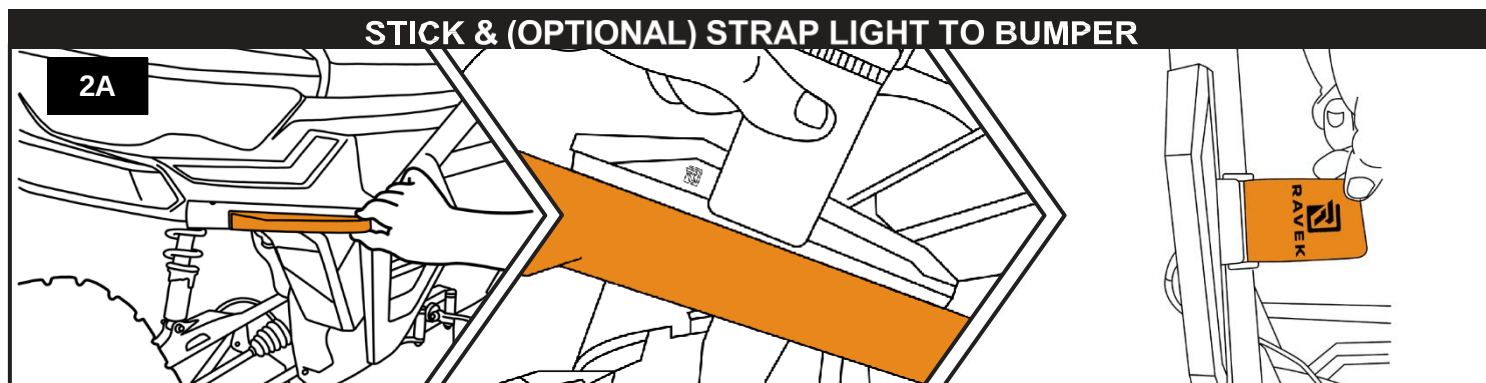


- Prepare the roll bar mounting surface on the front bumper of your Pioneer (if applicable).
 - Use the supplied alcohol wipe first, followed by the adhesive promoter wipe.
 - Clean the area thoroughly and allow all surfaces to dry completely.
- Install the roll bar adapter onto the base of the light using a 3 mm Allen wrench and the two small screws provided.
- Apply the supplied double-sided tape to the base of the roll bar adapter, with the non-3M side adhered to the adapter. [SEE FIGS. 1A & 1B]
- (Optional) Install the provided strap between the light and the adapter for added security. The strap is not required.

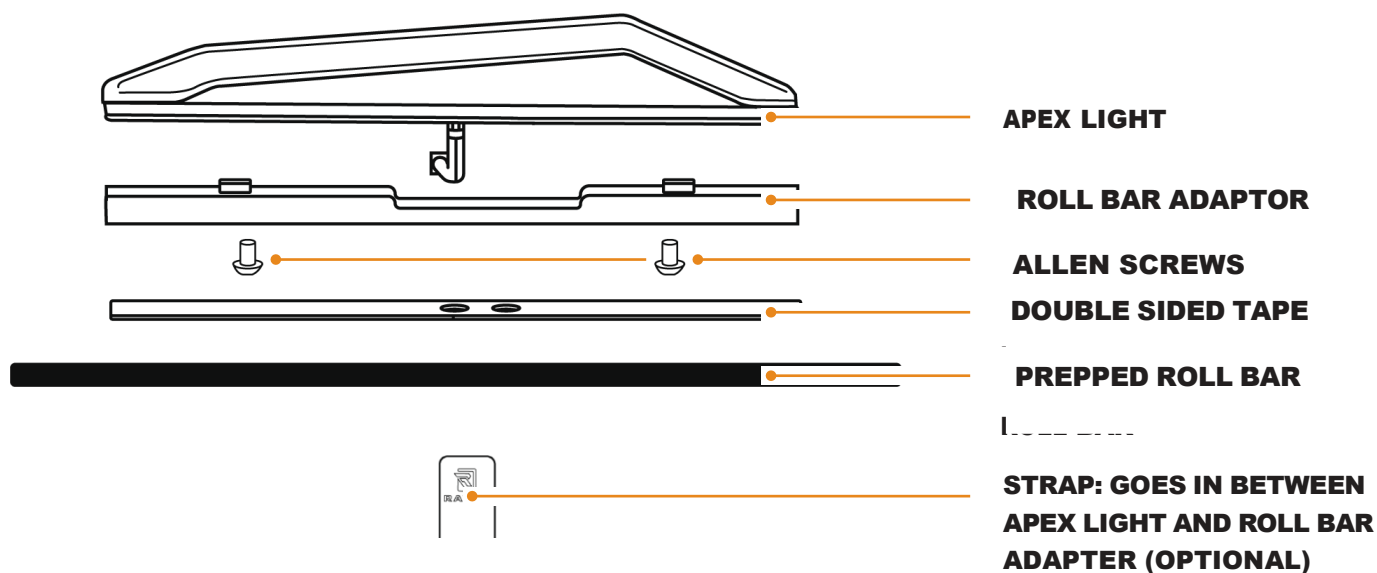
PREP BUMPER SURFACE AND INSTALL ROLL BAR ADAPTOR TO APEX LIGHT**(OPTIONAL) INSTALL STRAP TO LIGHT AND STICK TAPE TO ROLL BAR ADAPTOR**

2

- Peel off the 3M backing from the tape and adhere the light assembly to the bumper.
- Apply firm, even pressure to ensure proper adhesion.
- (Optional) Secure the light with the provided strap for additional support.
[SEE FIG. 2A]

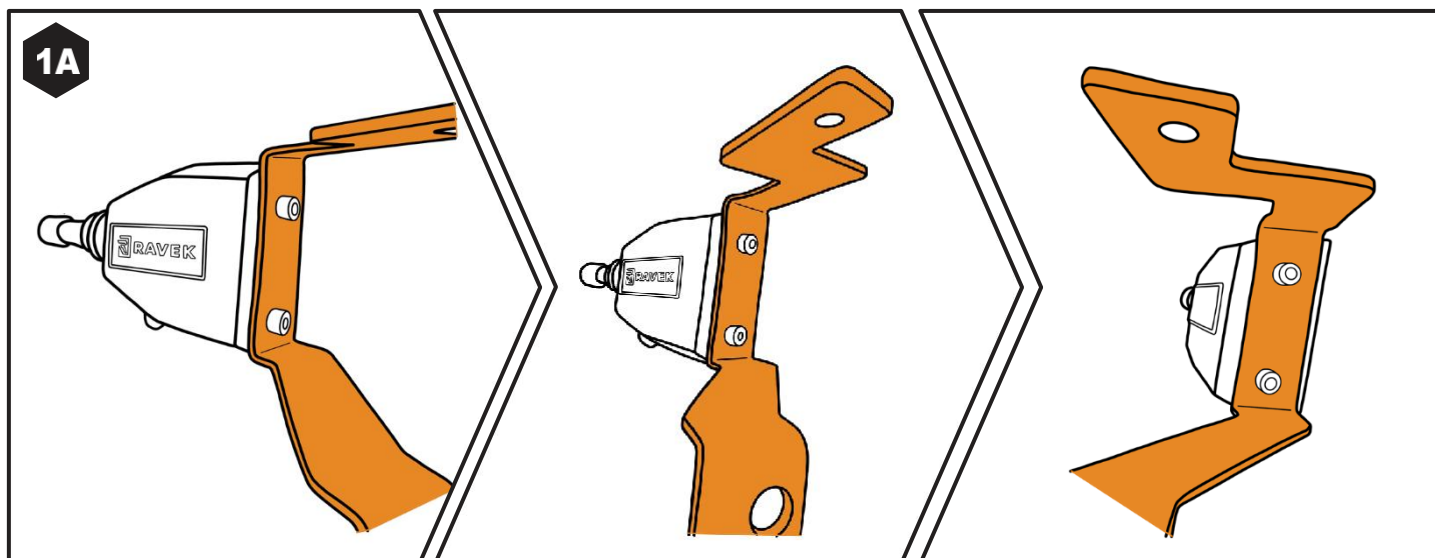


EXPLODED VIEW OF MOUNTING



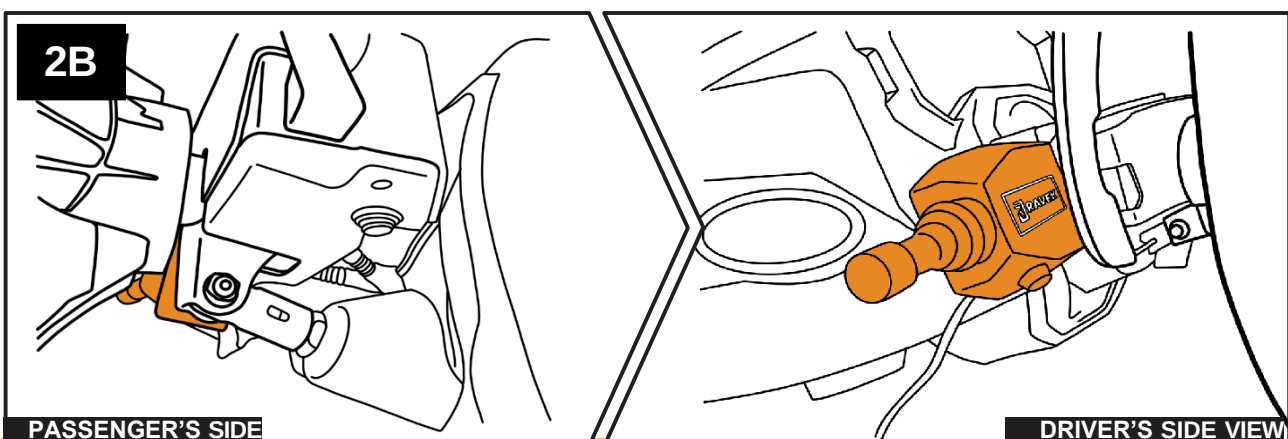
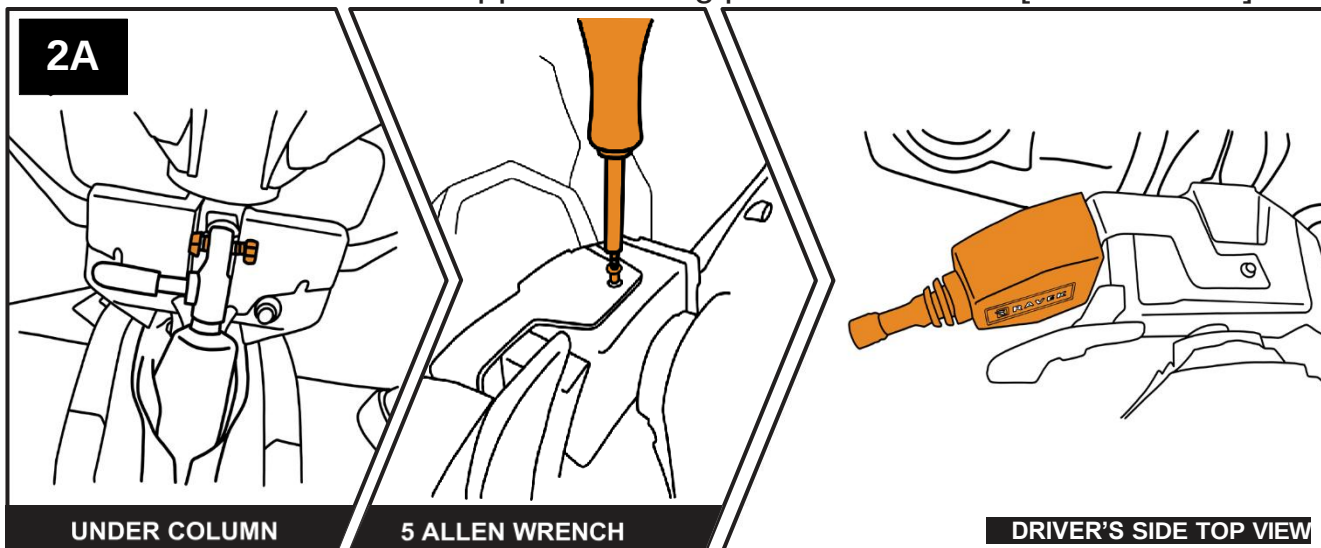
1

- Gather the turn signal lever, mounting bracket, and two M6 × 12 mm Allen screws.
- Pre-assemble these components to create the lever assembly.
[SEE FIG. 1A]
- This preparation will allow the assembly to be securely mounted to the Pioneer's steering column using a **5 MM ALLEN WRENCH**.



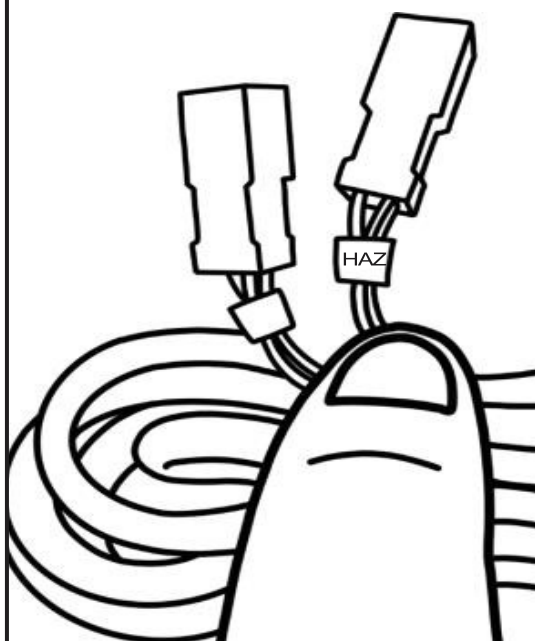
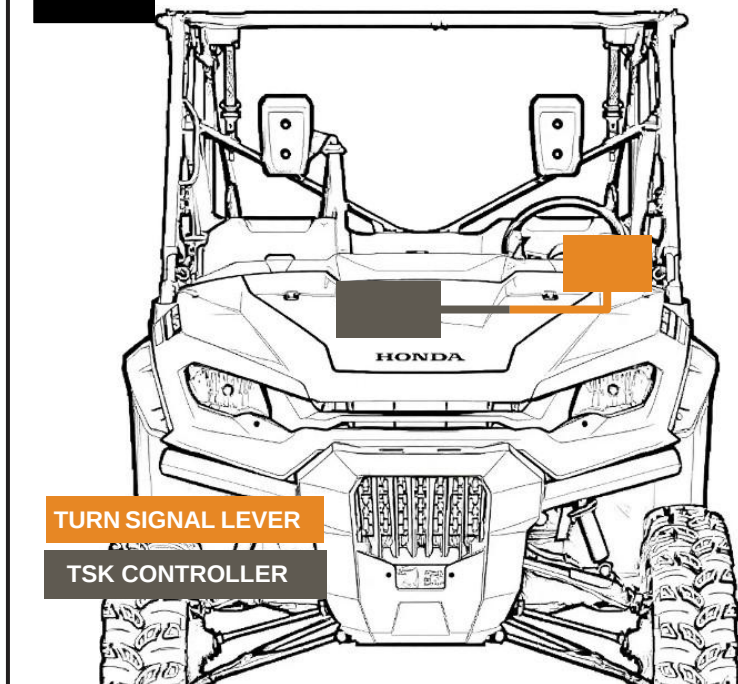
2

- Install the lever mount onto the steering column using the provided insert, screw, and the OEM hardware.
- Before installation, remove the necessary OEM hardware:
 - Using a **10 MM WRENCH** and **10 MM SOCKET**, remove the bolt and nut located underneath the steering column. [SEE FIG. 2A]
- Using a **5 MM ALLEN WRENCH**, remove the top shroud bolt.
- Position the lever with the mounting bracket onto the vehicle's steering column.
- Reinstall the 10 mm bolt and nut on the underside of the steering column to secure the lower mounting point.
- Install the provided 5 mm Allen bolt on the upper shroud to secure the upper mounting point of the lever. [SEE FIG. 2B]



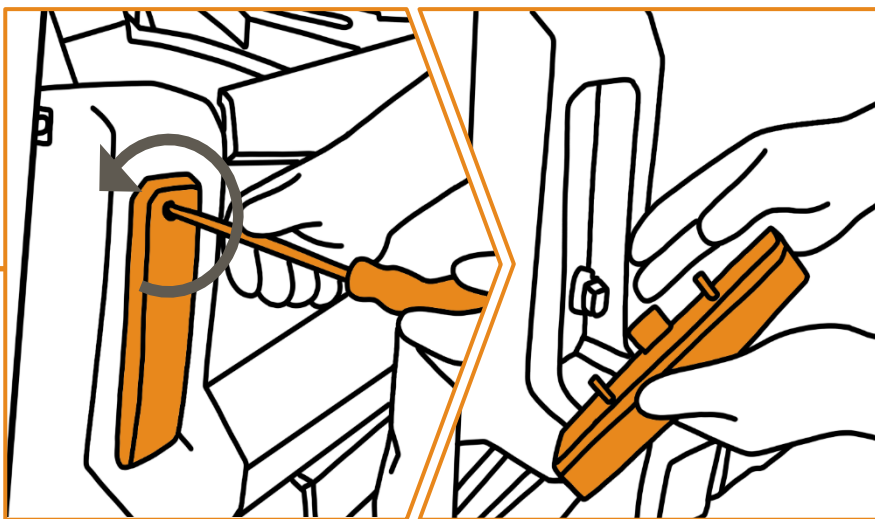
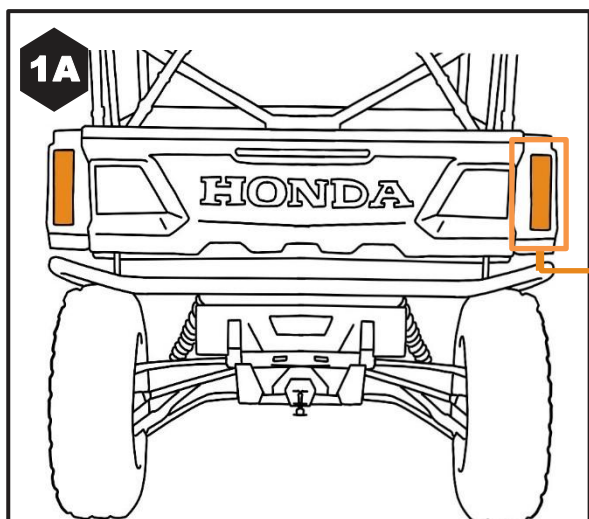
3

- Route the wiring from the turn signal lever behind the steering column shroud, through the behind the dash, and toward the turn signal controller. Be sure to keep the wiring clear of any moving parts to prevent tangling or damage.
- Match the labeled connector from the lever to the corresponding connector on the controller. [SEE FIGS. 3A & 3B]

3A**3B**

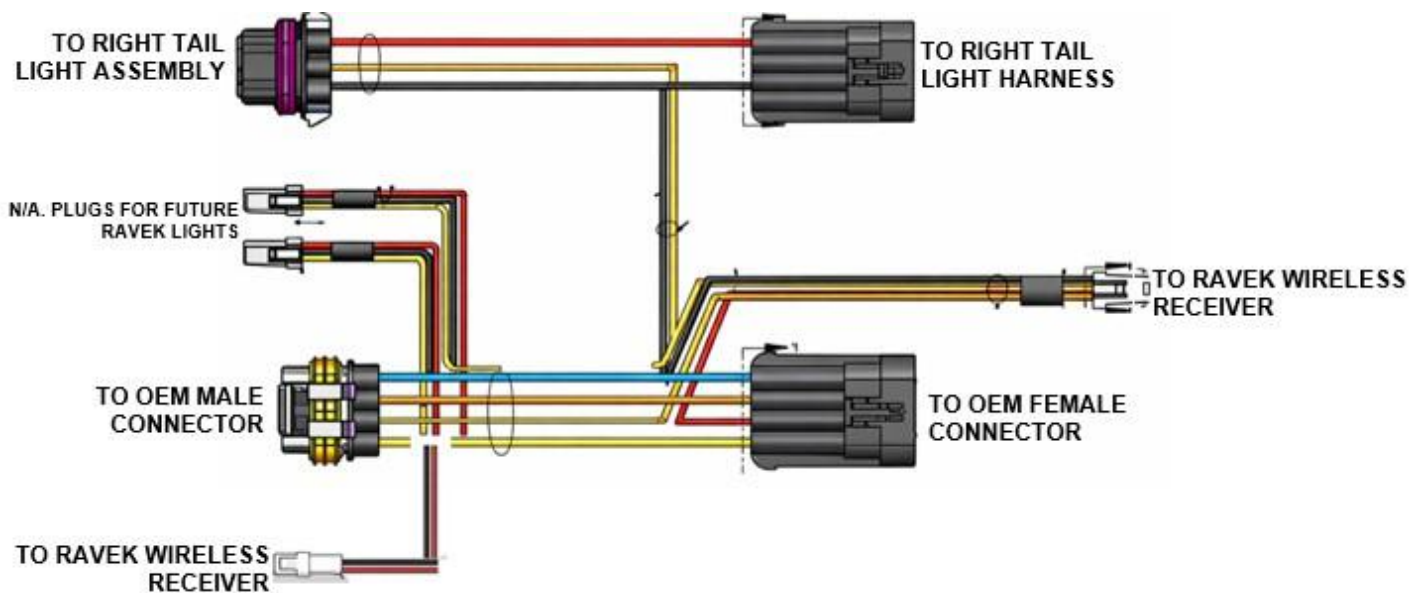
1

- Using a Phillips screwdriver, remove the screws securing the passenger-side taillight. Once all hardware is removed, carefully disconnect the taillight connector. [SEE FIG. 1A]
- Next, go below the tailgate and locate the OEM multipin harness in the center area. Disconnect this harness to prepare for the installation of the rear harness in the next step. [SEE FIG. 1B]



- Grab your provided rear harness and plug it into the OEM multipin harness.
- Route the opposite end of the rear harness toward the right side of the machine. Run the wiring through the rear frame, ensuring it remains clear of any hot or moving components. **(See diagrams in page 22 & 23 for visual reference).**
- Plug the rear harness into the right taillight—connect to the taillight harness and the taillight assembly.
- Connect the wireless receiver to the following connectors on the rear harness (by the OEM multipin harness connection):
 - 4-pin connector labeled “REAR HARN.”
 - 2-pin connector labeled “LIC. PLATE”

DIAGRAM A



REAR HARNESS SUPPLIED



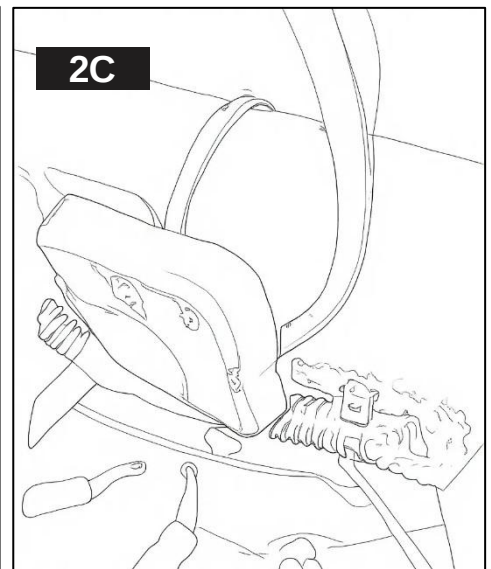
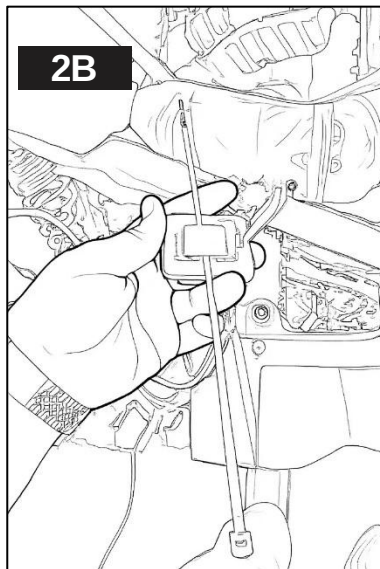
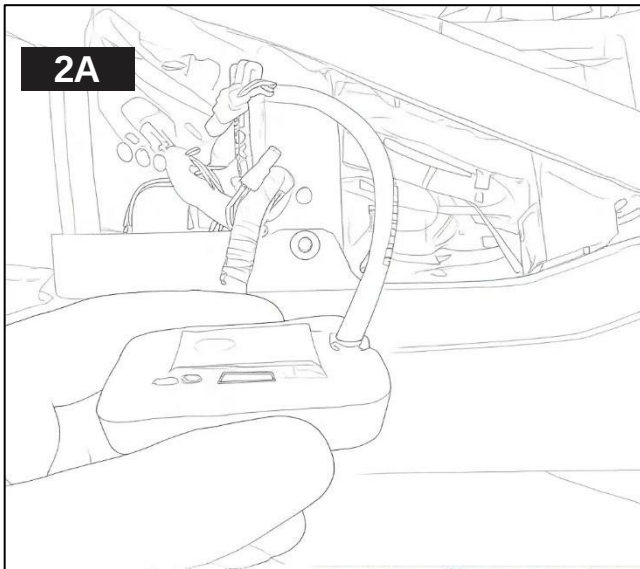
WIRELESS RECEIVER SUPPLIED



Notice: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

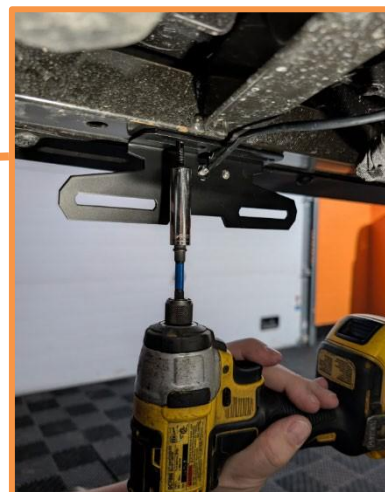
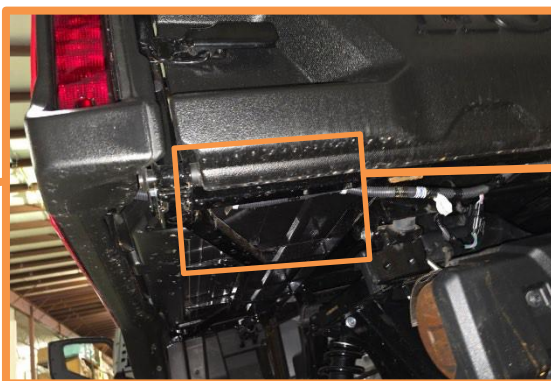
2

- With the wireless receiver plugged into the rear harness:
- Route one of the supplied zip ties through the backside slot of the receiver. (Double-sided tape is also provided if you prefer to mount the receiver to a clean, prepared surface.) [SEE FIGS. 2A & 2B]
- Position the receiver against the machine's frame. [SEE FIG. 2C]
- Tighten the zip tie securely to hold the receiver firmly in place.
- Verify the receiver is not loose and does not interfere with any moving components.



1

- Position the license plate bracket on the rear frame area beneath the tailgate (driver-side location as shown).
- Hold the bracket firmly in place and use a marking tool to mark the two mounting hole locations.
- Using the supplied self-tapping screws along with an **IMPACT DRIVER** and **10 MM SOCKET**, this will secure the license plate bracket to the UTV's frame. [SEE FIG. 1A]

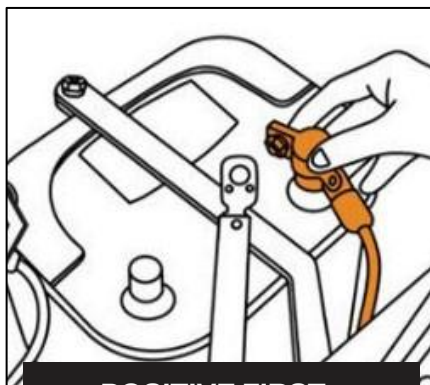
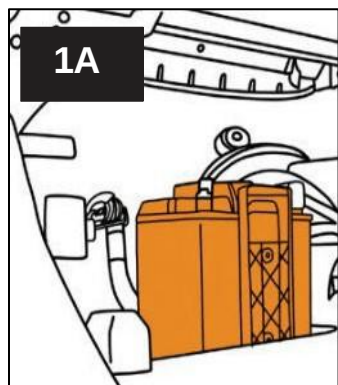


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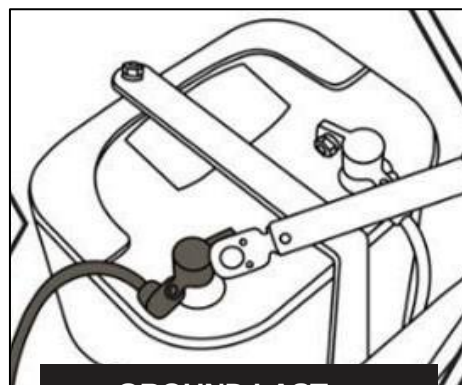
POWER KIT

1

Go back to the battery and reconnect the terminals to supply power to the kit for the next few steps. [FIG. 1A]



POSITIVE FIRST



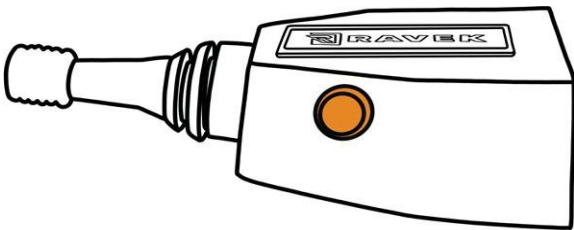
GROUND LAST

1

Turn your key to the ON position and test your lights.

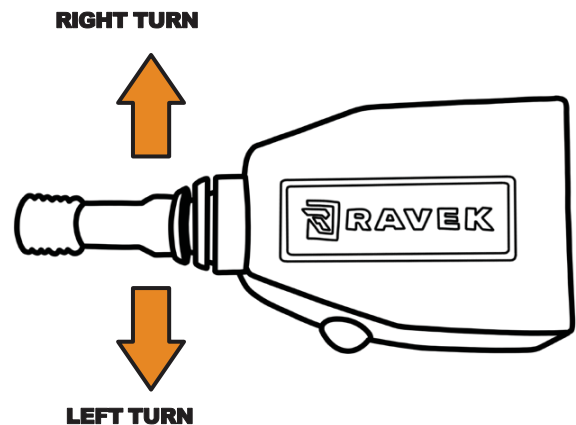
1. **Hazard Lights:** Press the button located on the underside of the lever (see FIG. 1A) to activate your hazards.
2. **Turn Signals:** Push the lever down for a left turn or up for a right turn, just like in a car. The lever is momentary, so it automatically returns to the neutral position—no manual reset needed [SEE FIG. 1B]
 - a. Turn Signal Duration:
 - i. 1 toggle: 10-second signal
 - ii. 2 toggles: 20-second signal
 - iii. 3 toggles: 30-second signal
 - **NOTE:** You can manually cancel the turn signal at any time by pushing the lever in the opposite direction.
3. Running brake lights
4. Running white lights
5. Brake light w/ pulse effect
6. Left turn signal dash indicator
7. Right turn signal dash indicator

1A



BOTTOM VIEW

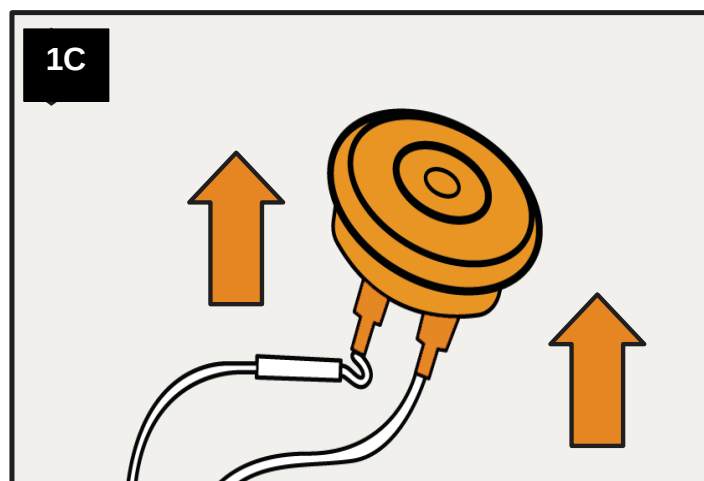
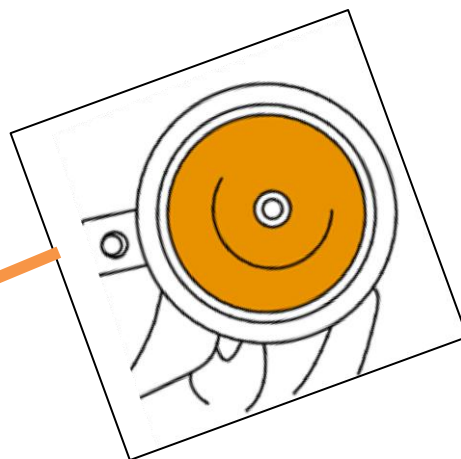
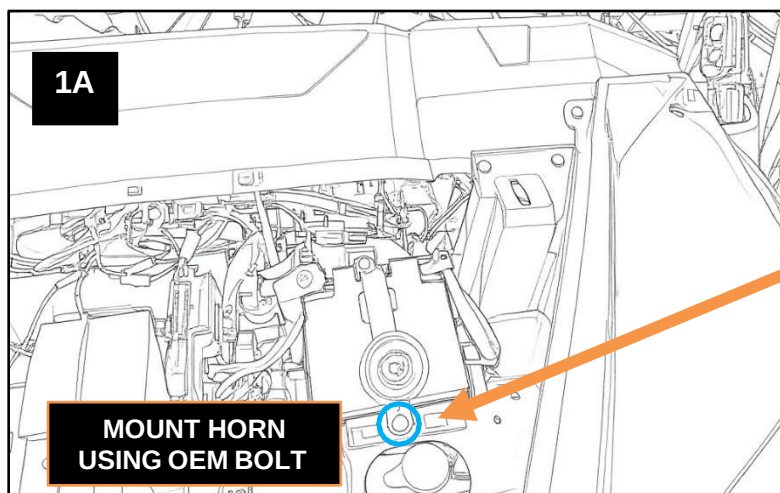
1B



FRONT VIEW

1

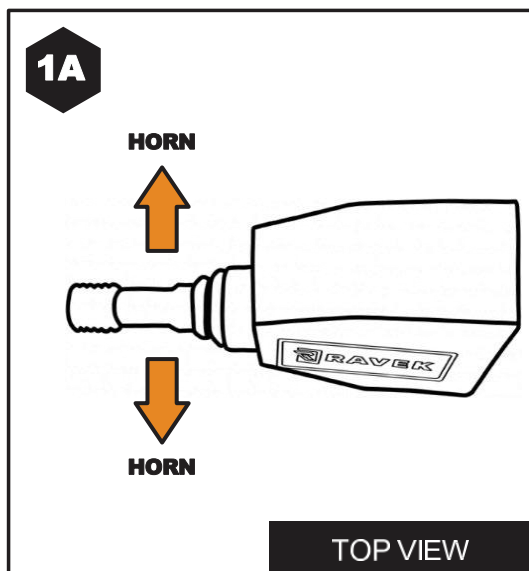
- Under the hood, locate the recommended mounting bolt on the battery bracket shown in FIG. 1A & 1B.
- Position the horn in place and mount it using the OEM hardware. If installing in the recommended location, use a **10MM WRENCH** to secure the bolt.
- Tighten the hardware securely to prevent movement.
- Ensure the horn is not touching any surrounding surfaces or panels, as contact can reduce or muffle the sound output.
- Connect both spade terminals from the extension harness to the horn's connectors — either terminal can be used (if not already plugged in). [SEE FIG. 1C]



1

Close the hood, turn the key to the ON position, and test the horn.

1. Horn: To activate the horn, simply push or pull the lever. [SEE FIG. 1A]



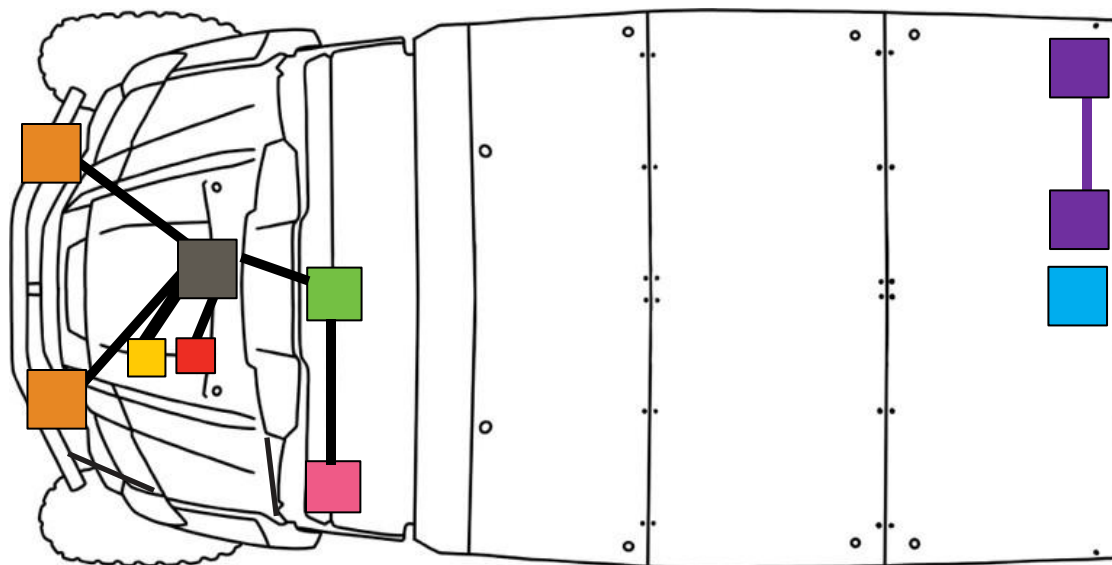
2

Once you have tested the kit and confirmed proper operation, reassemble your machine by reinstalling all panels in their correct positions.

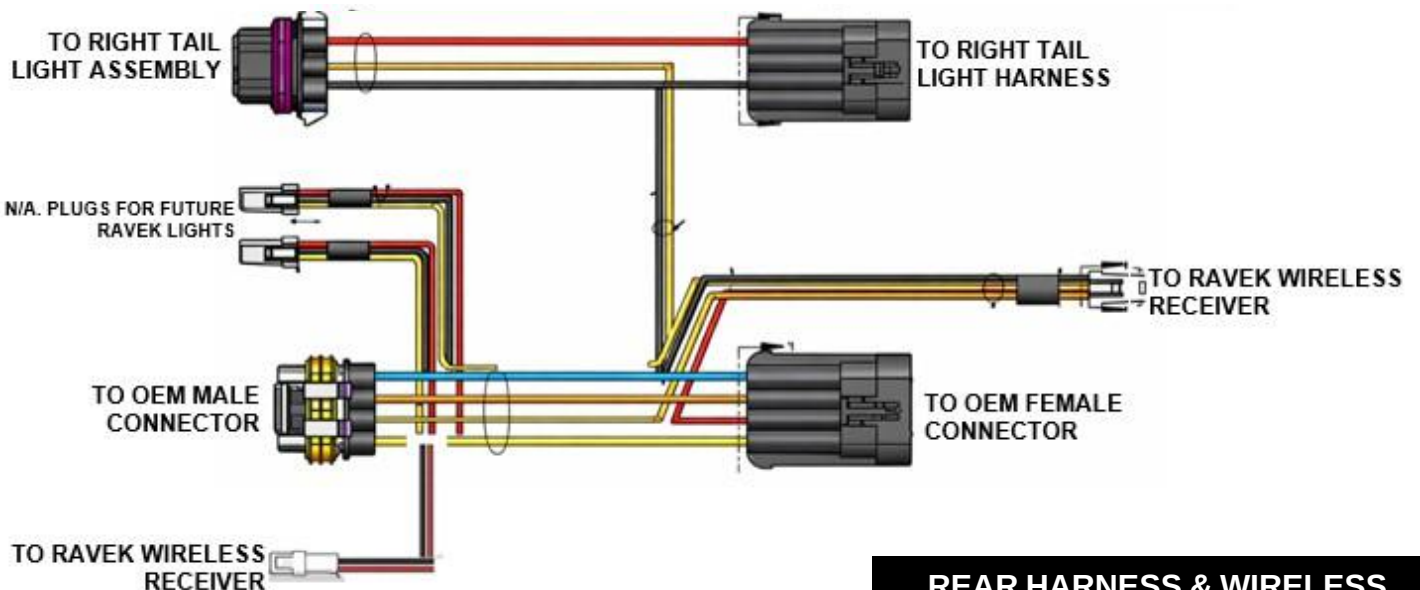
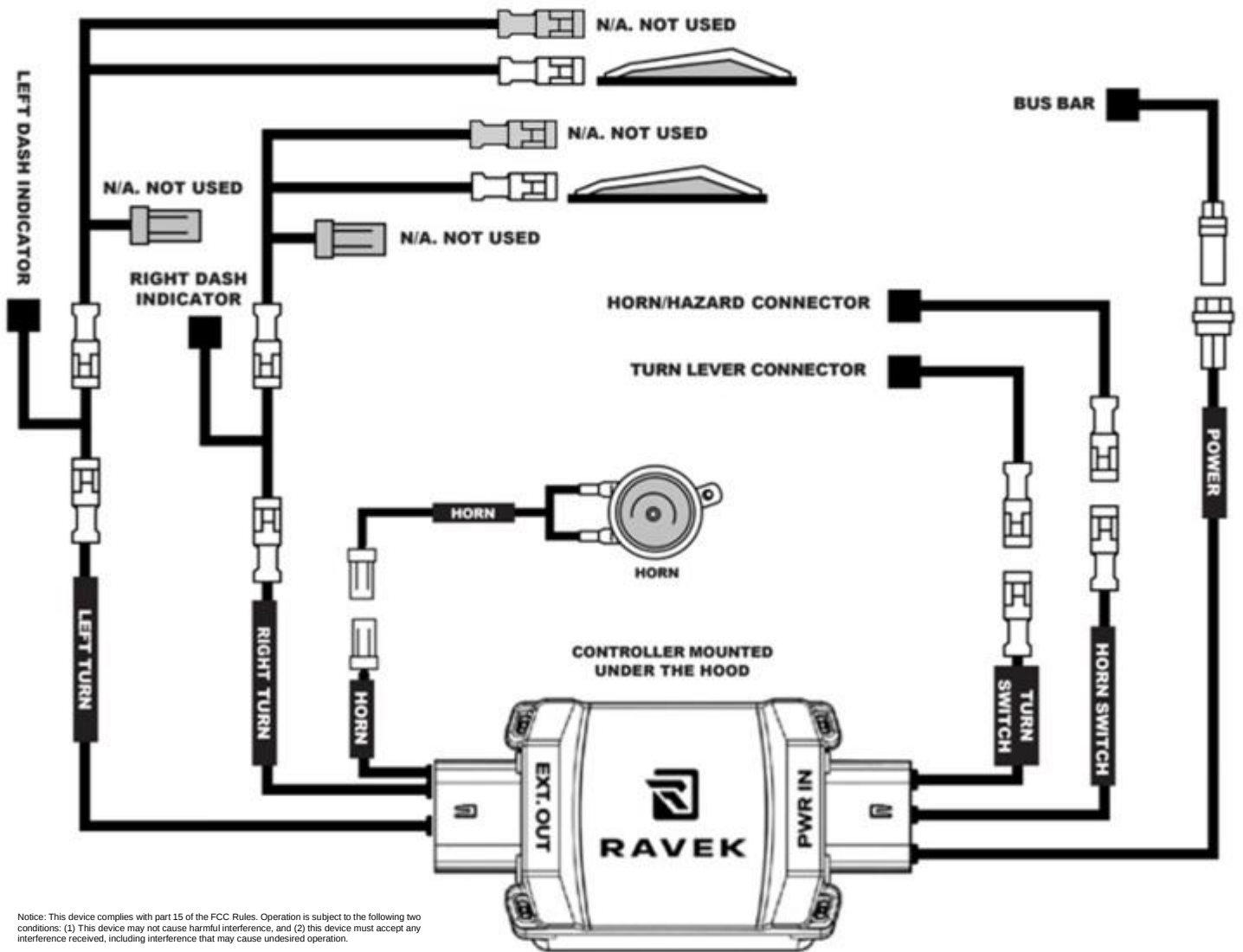
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See FIG. 1A for the Kit Overview Diagram.

1A

**APEX LIGHT****HORN****BUS BAR****DASH INDICATORS****CONTROLLER****TURN SIGNAL LEVER****WIRELESS RECEIVER****REAR HARNESS**

RAVEK CONTROLLER WIRING DIAGRAM



REAR HARNESS & WIRELESS RECIEVER DIAGRAM



RAVEK
BUILT FOR MORE

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