



**CAN-AM DEFENDER HD11 2026+
GEN3 SPEAKEASY
TURN SIGNAL KIT**

WITH WHITE RUNNING LIGHTS



INSTALLATION INSTRUCTIONS

PARTS INCLUDED:

- **APEX LIGHT WITH INSERT (2X)**
- **POWER HARNESS (1X)**
- **DASH INDICATOR HARNESS (1X)**
- **TURN SIGNAL CONTROLLER (1X)**
- **INPUT HARNESS (1X)**
- **OUTPUT HARNESS (1X)**
- **TURN SIGNAL LEVER (1X)**
- **HORN WITH HARNESS (1X)**
- **REAR RIGHT HARNESS (1X)**
- **REAR LEFT HARNESS (1X)**
- **FRONT RIGHT HARNESS (1X)**
- **FRONT LEFT HARNESS (1X)**
- **WIRELESS RECEIVER (1X)**
- **LICENSE PLATE BRACKET (1X)**
- **ADHESIVE PROMOTER WIPE (3X)**
- **ALCOHOL WIPE (3X)**
- **NUT (2X)**

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.

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.

TOOLS NEEDED:

**OPTIONAL*



T-40 Torx



T-30 Torx



T-20 Torx



3mm Allen Wrench



4mm Allen Wrench



10mm Wrench



Push Pin Pliers



Small Flathead Screwdriver



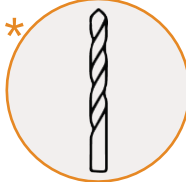
Ratchet



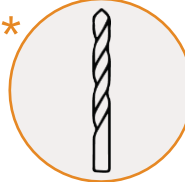
5/16" drill bit



Drill



1/4" drill bit*



11/32" drill bit*



Wire Fish*

INSTALLATION VIDEO GUIDE

SCAN CODE FOR VIDEO WALKTHROUGH



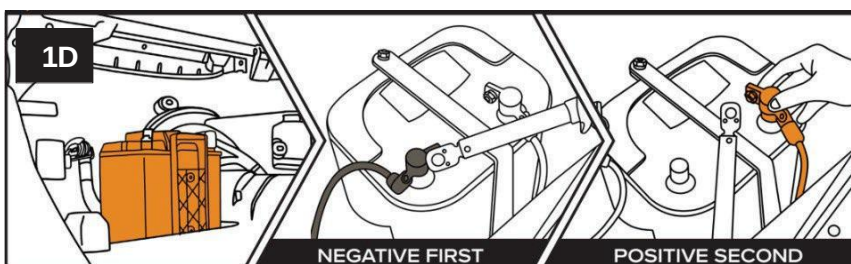
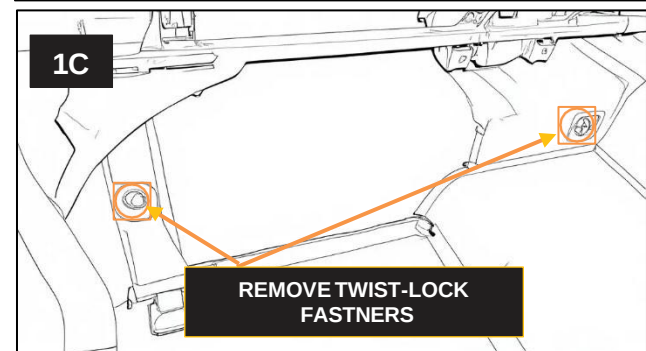
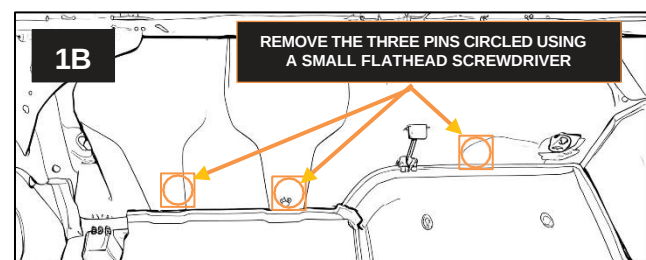
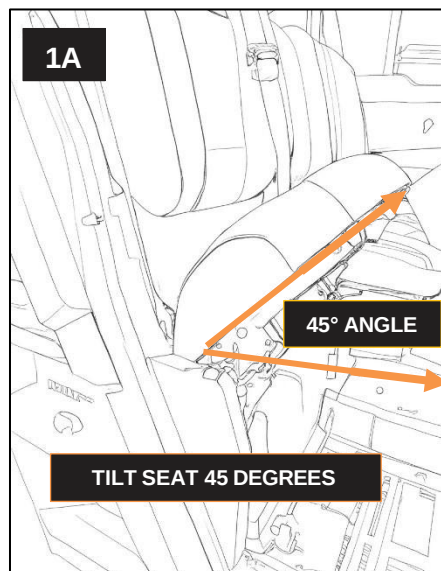
1

DISCONNECT BATTERY

1

- Before you begin the installation, disconnect the battery to prevent any electrical damage.
- Tilt the seat to roughly a 45° angle to gain easier access. [SEE FIG. 1A]
- Using a **SMALL FLATHEAD SCREWDRIVER**, remove the three push pins securing the mat that covers the battery compartment. [SEE FIG. 1B]
- Release the two twist-lock fasteners on the plastic battery cover and remove both the mat and the cover. [SEE FIG. 1C]
- Shift the battery cover forward and slightly upward to fully expose the battery.
- Disconnect the battery accordingly. [SEE FIG. 1D]

SCAN FOR TECH TIP



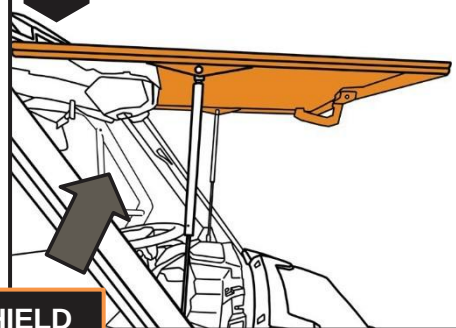
1

- Open the front windshield. [SEE FIGURE 1A]

SCAN FOR TECH TIP



1A



OPEN WINDSHIELD

2

- Using a **SMALL FLATHEAD SCREWDRIVER**, gently pry up the retaining tabs and remove the windshield shocks from their ball studs. [SEE FIG. 2A]
- Rest the shocks in the small openings on the dash to hold them in place and prevent the windshield from moving. [SEE FIG. 2A]

2A

SMALL
FLATHEAD
SCREWDRIVER

SHOCK

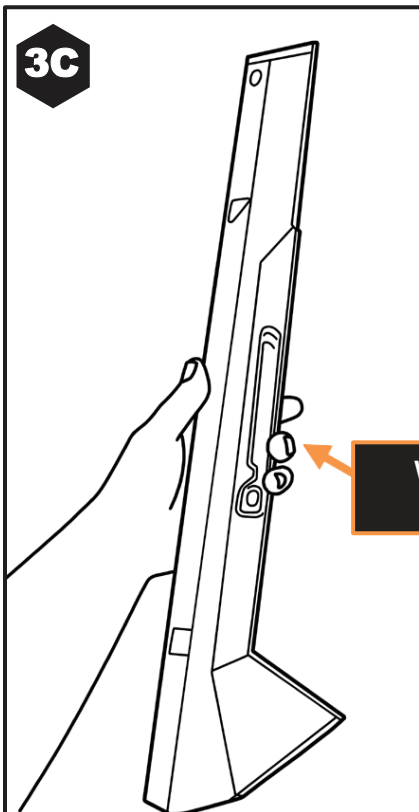
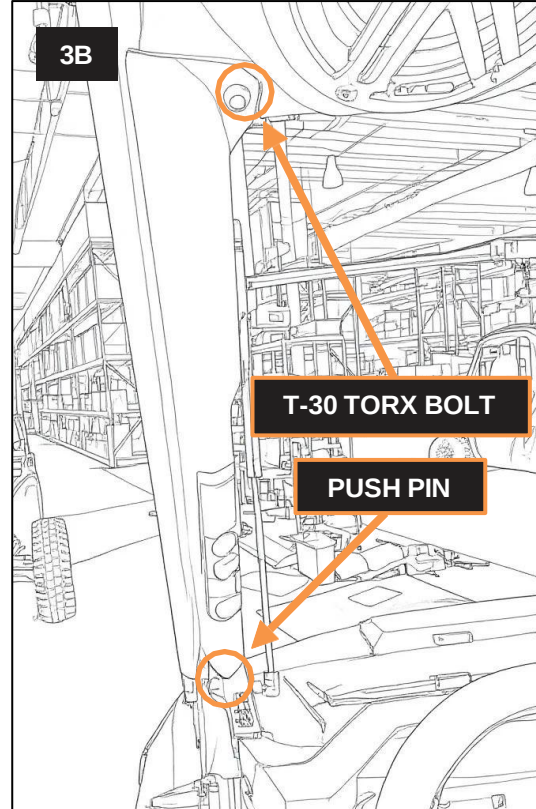
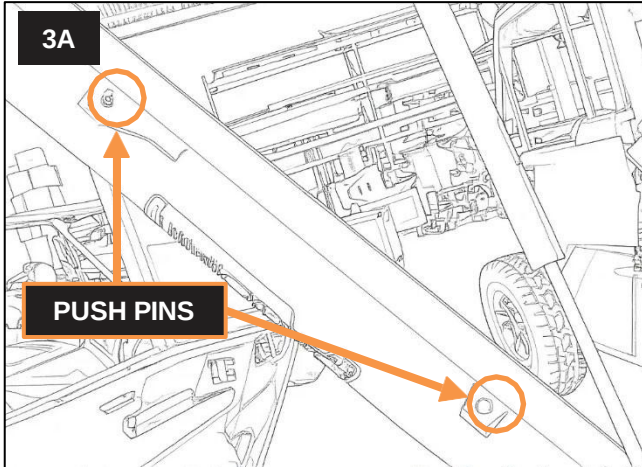
GENTLY PRY OUT RETAINING TAB

2B

SET SHOCK ON DASH

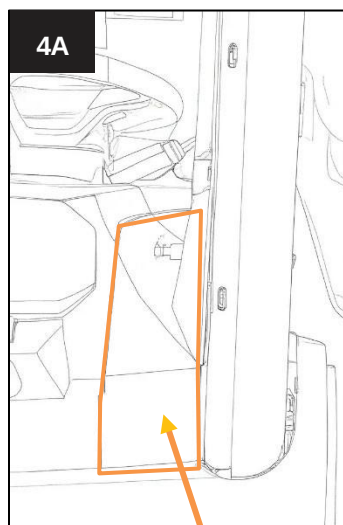
3

- On both A-pillars, remove the two push pins on the inner side of each pillar [SEE FIG. 3A].
- Remove the push pin and the T-30 Torx bolt located on the outer side of each A-pillar using **PUSH-PIN PLIERS** and a **T-30 TORX DRIVER**. [SEE FIG. 3B]
- Perform these steps on both the driver and passenger sides while the windshield shocks are resting on the dash. [SEE FIG. 3C]

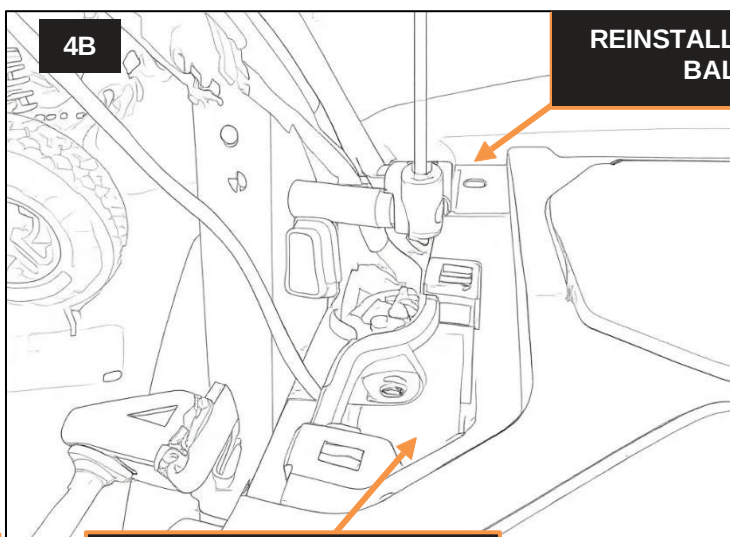


4

- Remove the plastic dash end covers by carefully prying them off. Perform this on both the driver and passenger sides. [SEE FIG. 4A]
- Once the covers are removed, reinstall each windshield shock onto its ball stud. [SEE FIG. 4B]



**REMOVE PLASTIC DASH
END COVER**

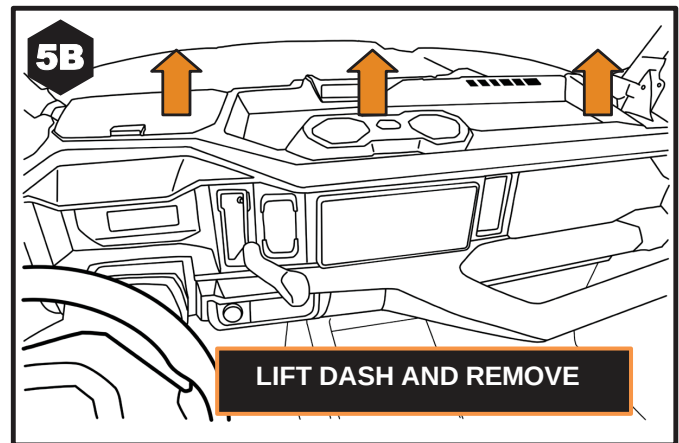
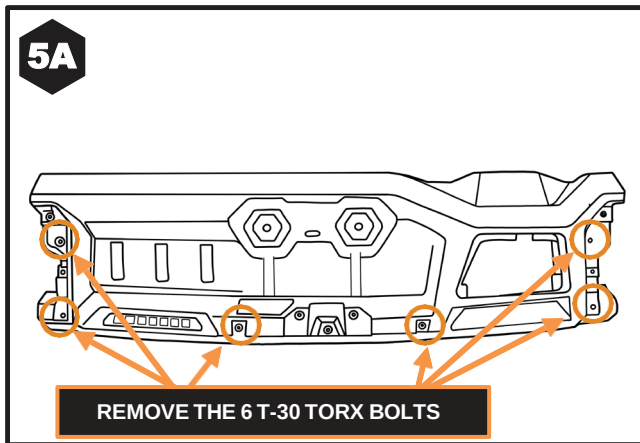


**REINSTALL SHOCK ONTO
BALL STUD**

**AREA BELOW PLASTIC
DASH END COVER SHOWN**

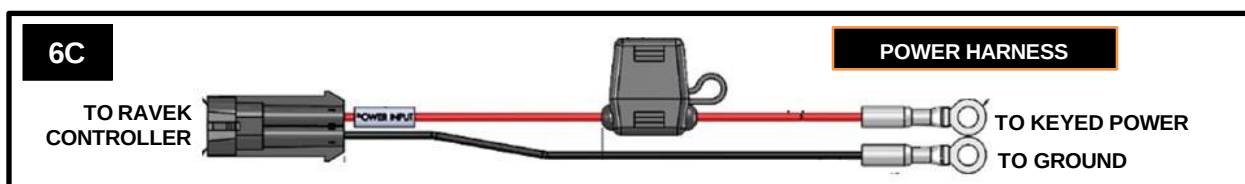
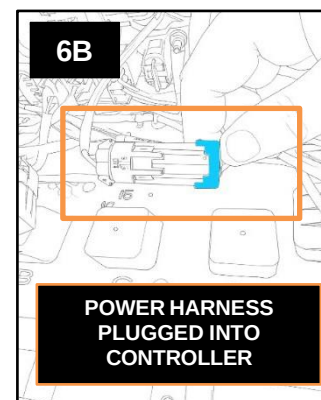
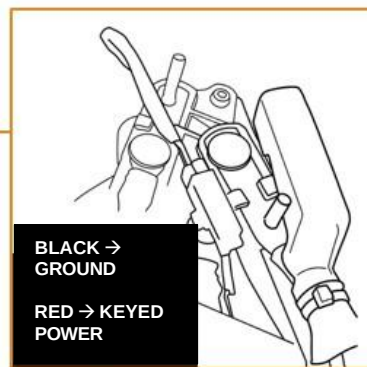
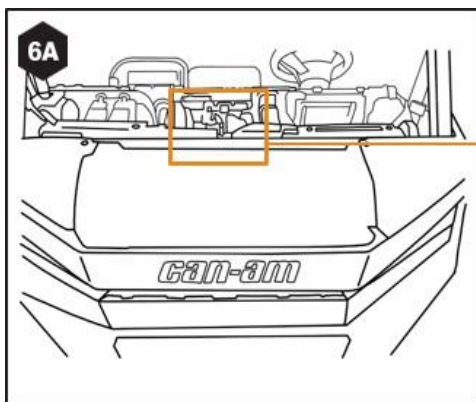
5

- Using a **T-30 TORX DRIVER**, remove the six T-30 bolts securing the dash to the machine. Refer to the figure below for the hardware locations. [SEE FIG. 5A]
- Once all hardware has been removed, gently pull the dash outward and set it aside. [SEE FIG. 5B]
- Removing the dash provides access to the bus bar, and the area beneath the dash is where the controller will be mounted and the wiring will be routed.

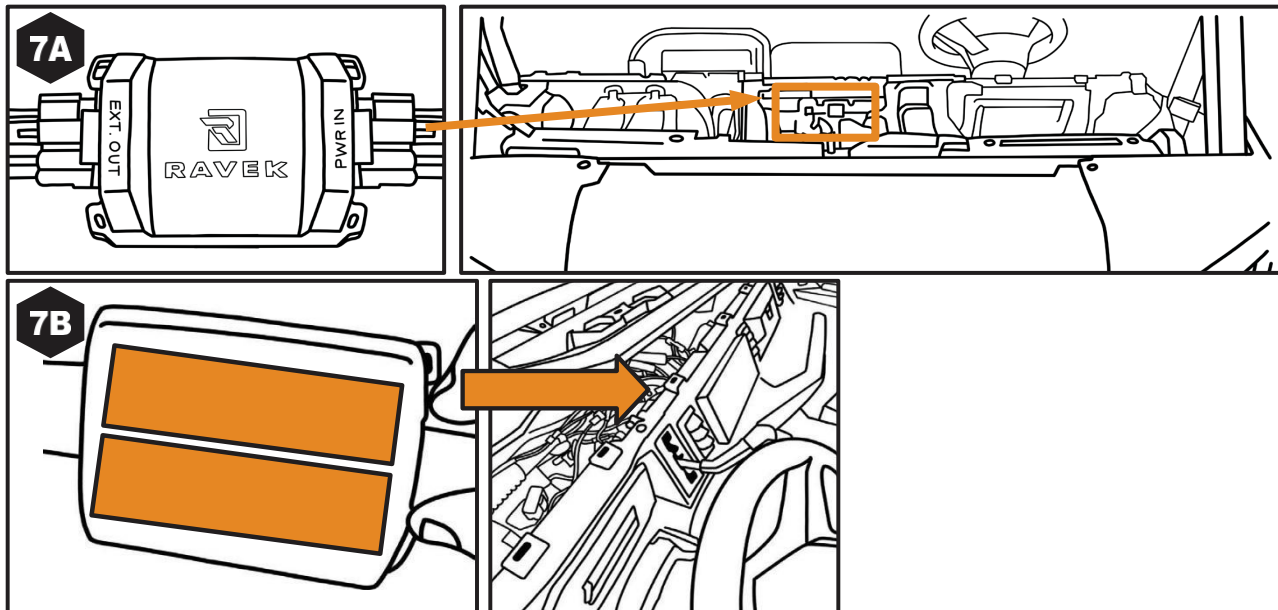


6

- Locate the bus bar behind the display screen area. [SEE FIG. 6A]
- Attach the provided power harness to the accessory power and ground terminals, securing both connections with the supplied nuts using a **10 MM WRENCH**. [SEE FIG. 6A]

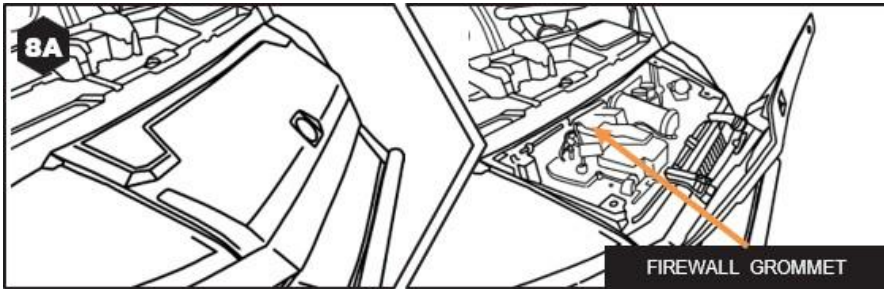


- In this step, you will mount the RAVEK turn signal controller to an open area behind the dash. [SEE FIGURE 7A]
- Before installing, first use the supplied alcohol wipes to clean the RAVEK controller mounting surface and let dry. Next, prep the mounting surface with provided adhesive promoter wipe and allow the area to fully dry.
- Press the RAVEK controller firmly onto the cleaned surface and hold it in place to ensure proper adhesion.
- Allow the adhesive to cure for **24 hours** before riding.
- We recommend mounting the RAVEK controller behind the display screen near the bus bar, as this location provides good concealment and protection. [SEE FIGURE 7B]



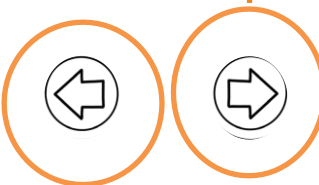
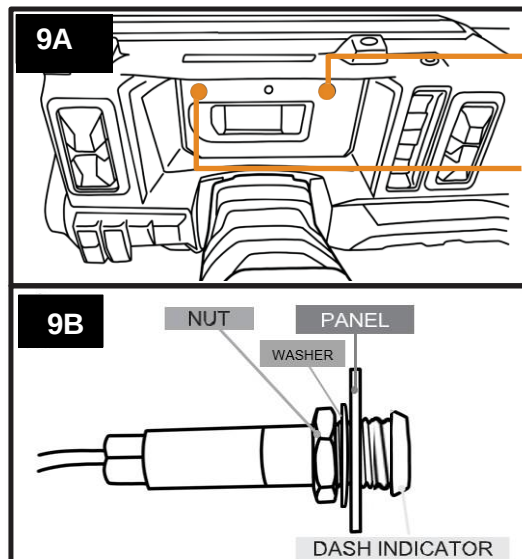
8

- Open the hood and route both the FRONT LEFT and FRONT RIGHT harnesses from the RAVEK controller through the firewall grommet, feeding them from the inside of the cab outward to the area under the hood. [SEE FIG. 8A]

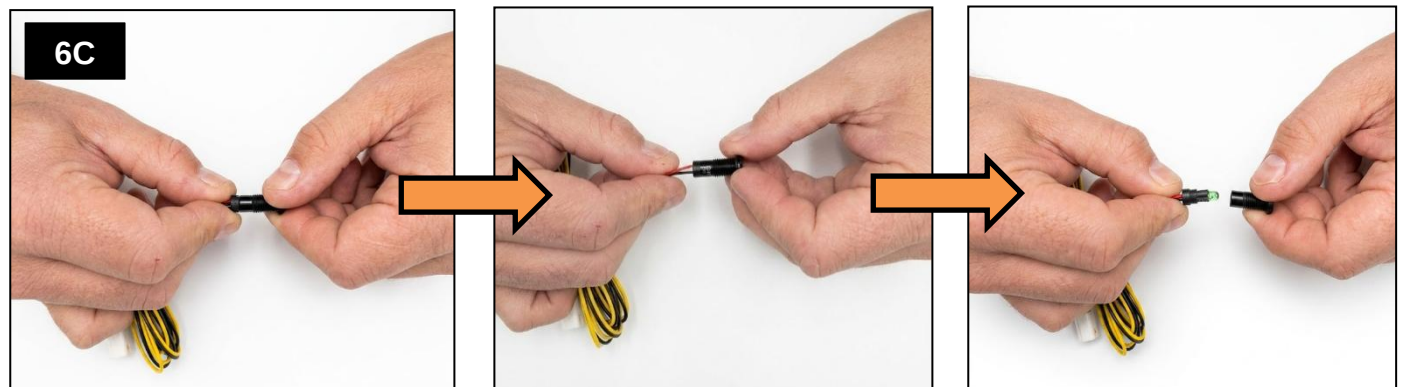


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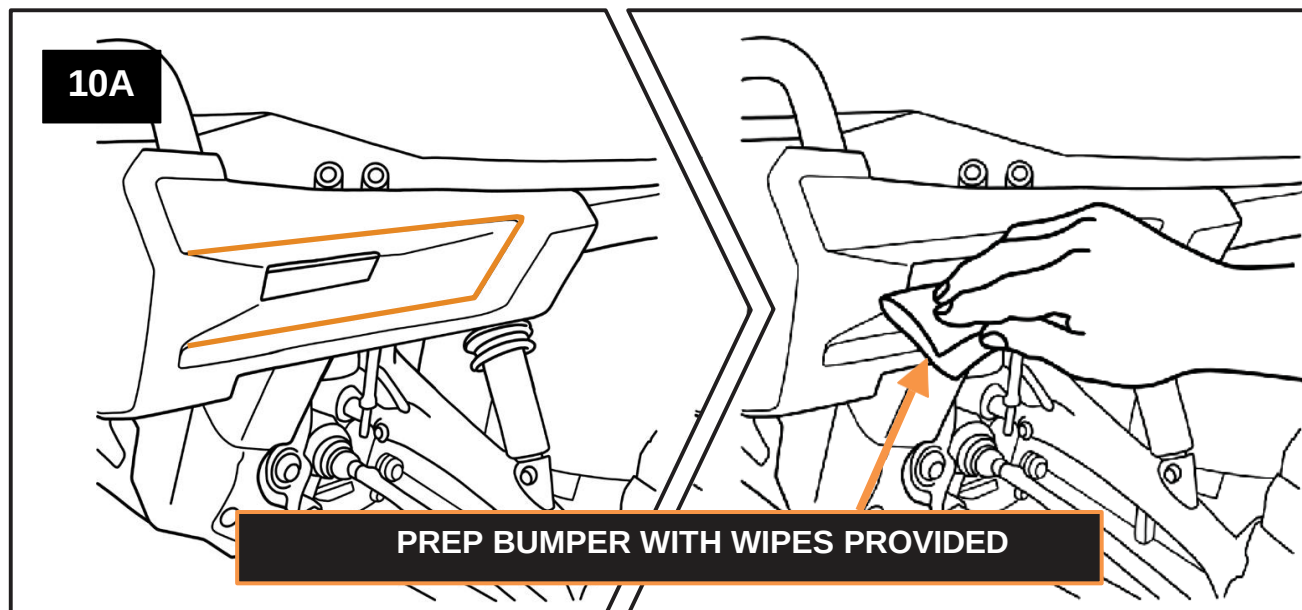
- Plug in your dash indicator harnesses to the RAVEK controller. Plug them into RIGHT TURN and LEFT TURN on your RAVEK controller, reference Turn Signal Kit Wiring Diagram in Page 23.
- Mount your dash indicators to the Defender dash. We recommend positioning them to the left and right of the gauge cluster, as shown in FIG. 9A.
- Use the supplied washers and nuts included with the indicators for proper mounting. [SEE FIGS. 9B & 9C]
- Drill the mounting holes using a DRILL and a 5/16" DRILL BIT to install the indicators.
- Scan the QR code for a video tech tip of how to install your DIs on your machine.



SCAN FOR TECH TIP



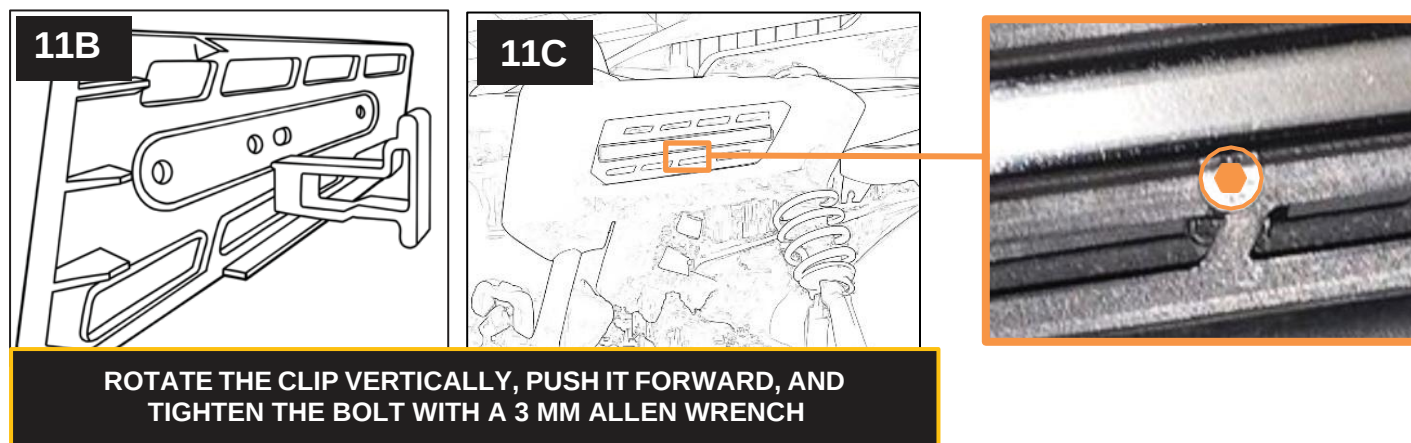
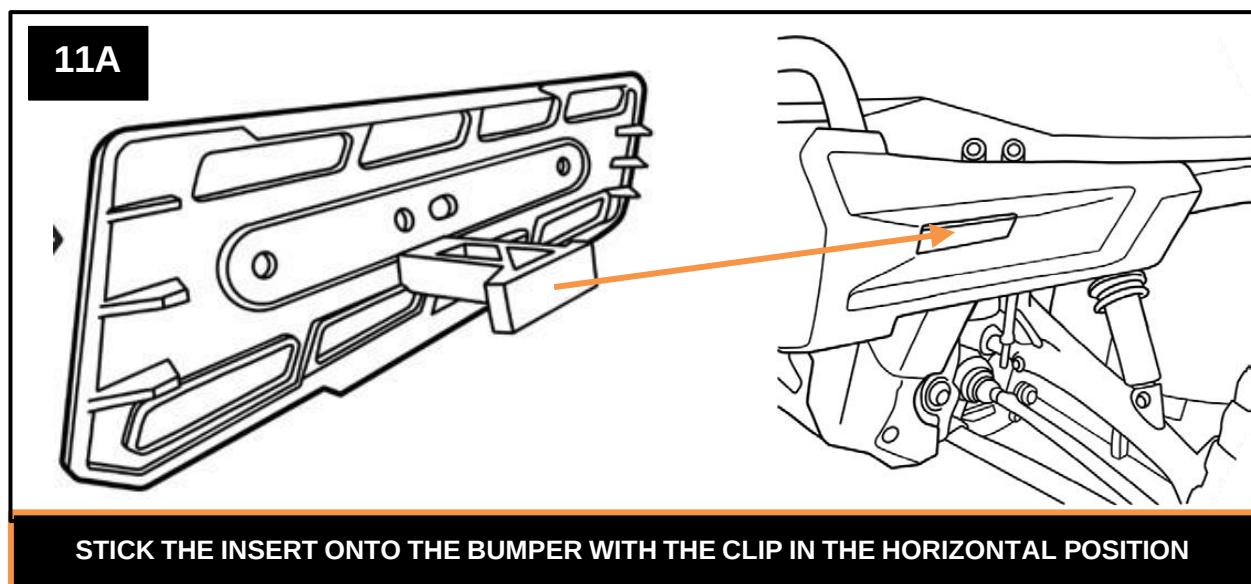
- At the front bumper, locate the bumper cavities and prepare the mounting surfaces using the supplied alcohol and adhesive promoter wipes.
- **NOTE:** If your CAN-AM Defender HD11 is an XT model, skip this step and Step 11, as these steps apply only to Defender models equipped with a front bumper and light inserts. If you need assistance installing your front Apex Lights on an XT model, please contact us at 855-617-2787 for guidance.
- Using the supplied alcohol wipe, thoroughly clean the cavity surfaces and allow them to dry completely. Once dry, apply the adhesive promoter wipe to the same mounting areas and allow it to dry before proceeding. [SEE FIG. 10A]
- Proper surface preparation is essential to ensure maximum adhesion when permanently installing the inserts. **Scan the QR code for a Tech Tip walkthrough on how to install your lights.**



SCAN FOR TECH TIP

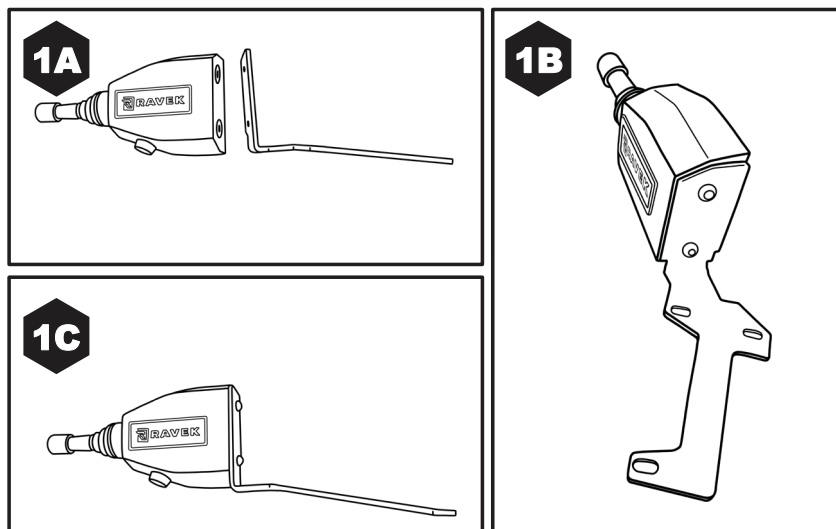


- Peel off the adhesive backing from the double-sided tape on the insert.
- Carefully position the insert into the bumper cavity, ensuring the clip is inserted sideways (horizontally) onto the bumper. [SEE FIG. 11A]
- Once the tape is holding the insert in place, rotate the clip to the vertical (upright) position. [SEE FIG. 11B]
- With one hand, push the clip toward the front of the vehicle. With your other hand, use a **3 MM ALLEN WRENCH** to tighten the bolt located underneath the Apex Light. Tighten until the insert is firmly secured against the bumper. [SEE FIG. 11C]
- Plug the Apex Lights into the RAVEK controller accordingly.



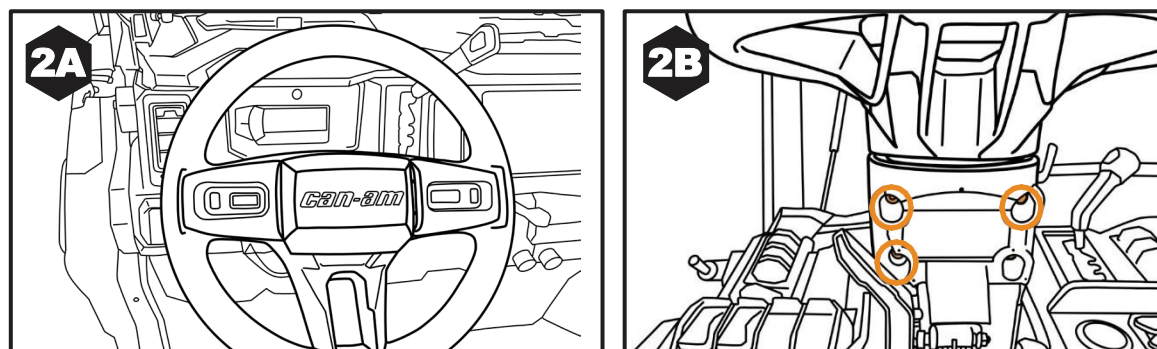
1

- Gather the turn signal lever, mounting bracket, and the two M6 × 12 mm Allen screws.
- Assemble these components using a **4 MM ALLEN WRENCH** to secure the bracket to the lever.



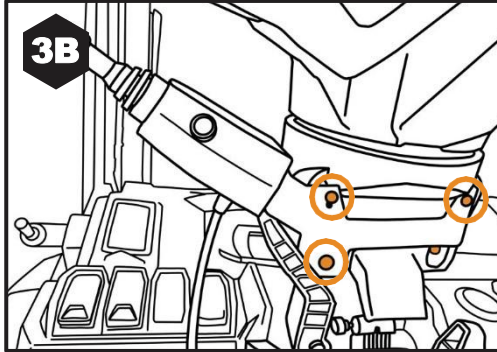
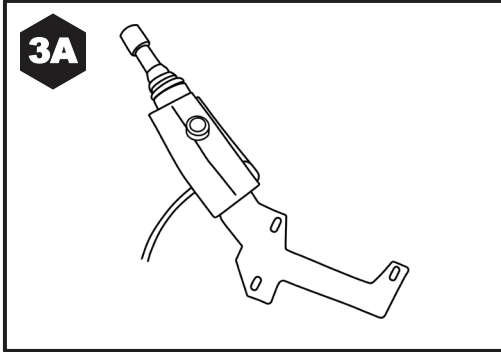
2

- Go to the steering wheel area of your Defender and locate the steering shroud on the underside of the steering wheel. [SEE FIG. 2A]
- Using a **T-30 TORX DRIVER**, remove the three highlighted screws securing the shroud. [SEE FIG. 2B]

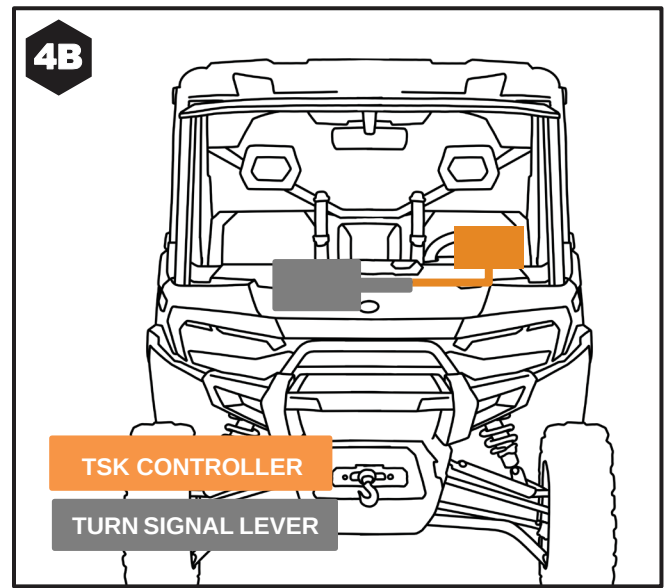
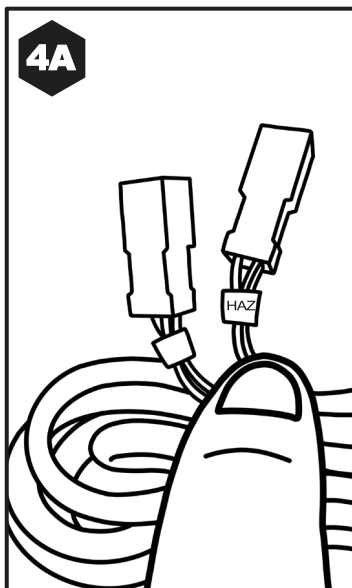


3

- Position the turn signal lever—with the mounting bracket already pre-assembled—on the underside of the steering shroud.
- Using the supplied Phillips screws and a **PHILLIPS SCREWDRIVER**, secure the bracket to the steering column. [SEE FIGS. 3A & 3B]

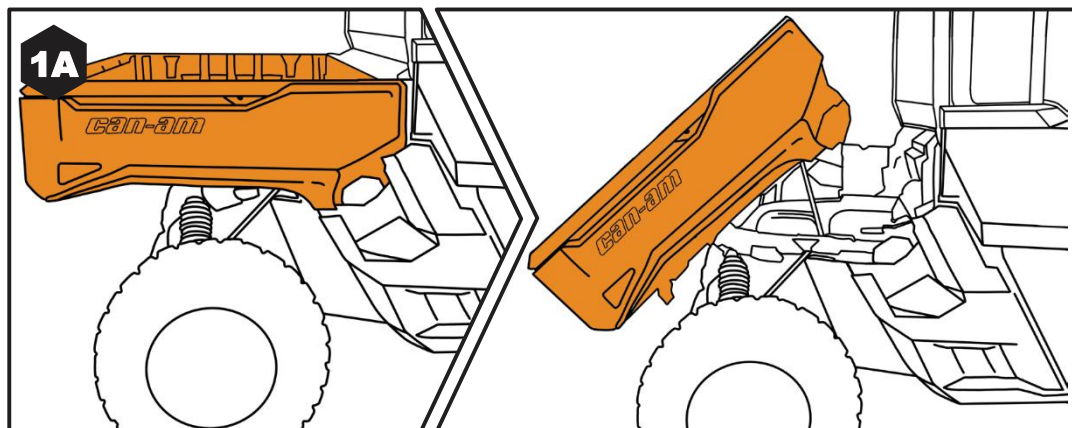
**4**

- Route the wiring from the turn signal lever behind the steering column shroud and through the dash area as you guide it toward the turn signal RAVEK 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 labeled connector on the RAVEK controller. [SEE FIGS. 4A & 4B]



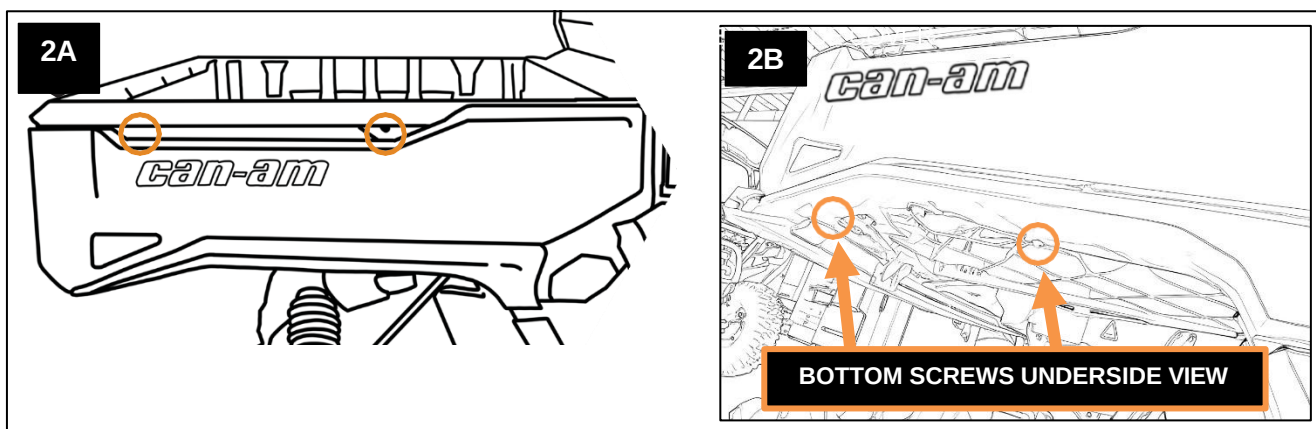
1

- To gain access to the bed side cover hardware, dump the bed of the UTV. This will allow you to reach all required hardware on the passenger side only. [SEE FIG. 1A]

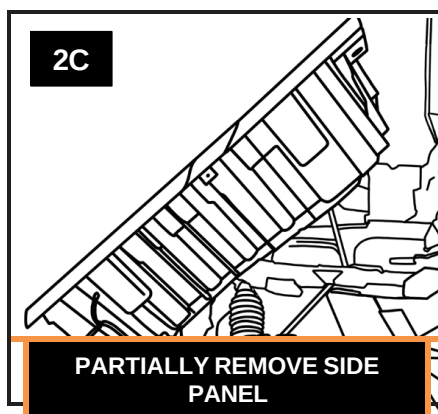


2

- Using a **T-30 TORX BIT**, remove the four screws securing the side bed cover. [SEE FIGS. 2A–2C]
- **NOTE:** The taillight connector can be accessed in the next step with only partial removal of the bed cover, scan tech tip for visual reference.

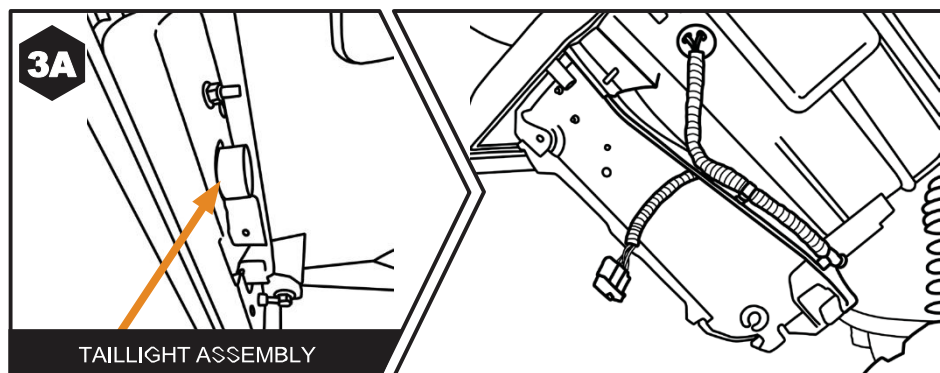


2C

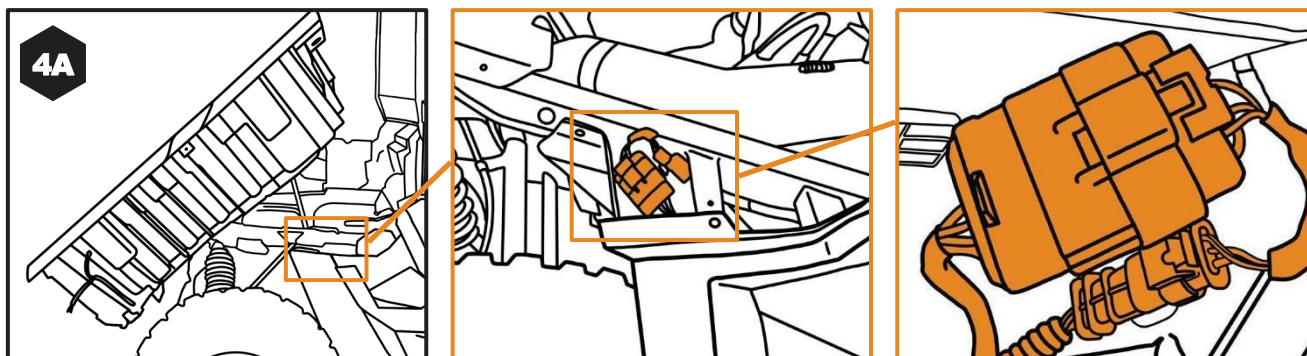


3

- With the passenger-side bed panel partially removed, unplug the taillight connector. [SEE FIG. 3A]

**4**

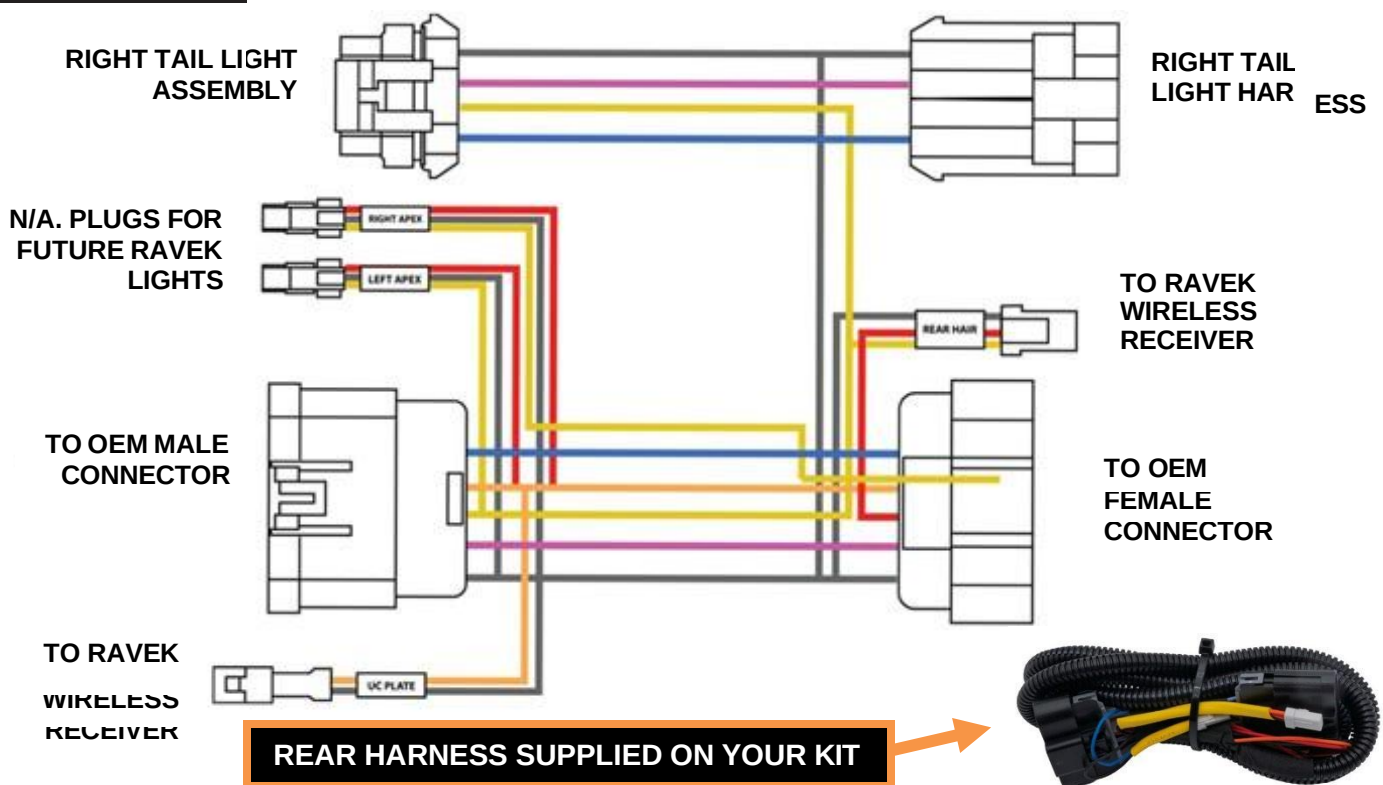
- Follow the right-side frame rail to locate the OEM rear multipin harness. Release the locking tabs and carefully disconnect the harness without forcing it. [SEE FIG. 4A]



- Locate the supplied RAVEK rear harness. Connect rear harness in-line to the OEM rear Multi-Pin Connector that was disconnected in the previous step by matching large male and female connectors. **SEE DIAGRAM 5A BELOW FOR REFERENCE.**
- Route the rear harness along the frame rail to the right-side taillight. Plug the supplied rear harness in line switch the factory taillight connector, then reconnect it to the taillight assembly. Confirm each connector is fully seated and locked before moving to the next step.
- Locate the wireless receiver supplied with your kit. Connect the 4-pin connector from the wireless receiver to the connector labeled REAR HARN. on the rear harness.
- Connect the 2-pin connector from the wireless receiver to the connector labeled LIC PLATE on the rear harness.
- Refer to diagram 5A below for proper connections.

REAR HARNESS DIAGRAM

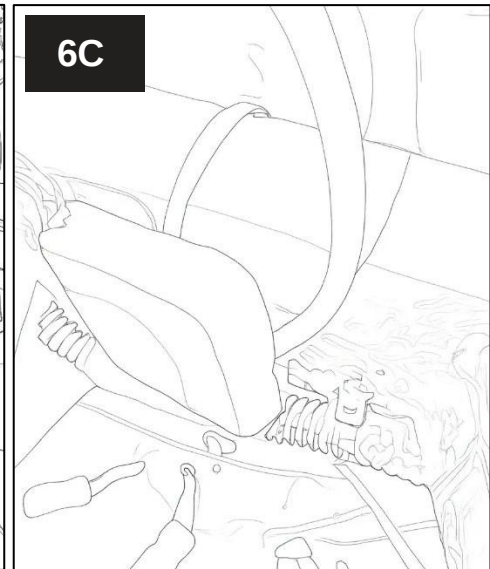
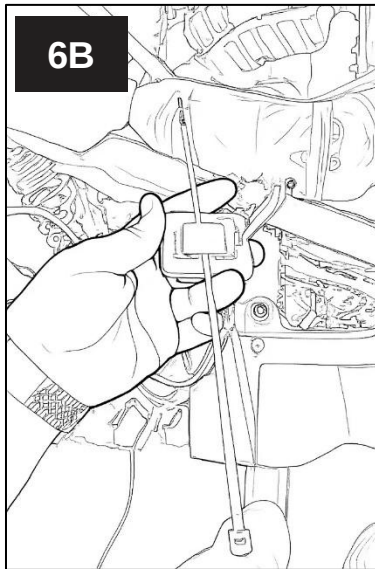
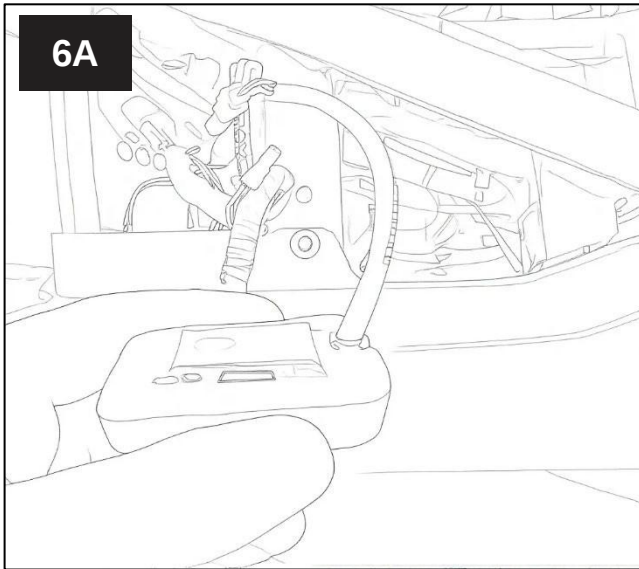
DIAGRAM 5A



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.

6

- With the wireless receiver plugged into the rear harness, use a zip tie from the kit and feed it through the backside of the receiver. Secure the receiver to the machine's frame. [FIG. 6A – 6C]



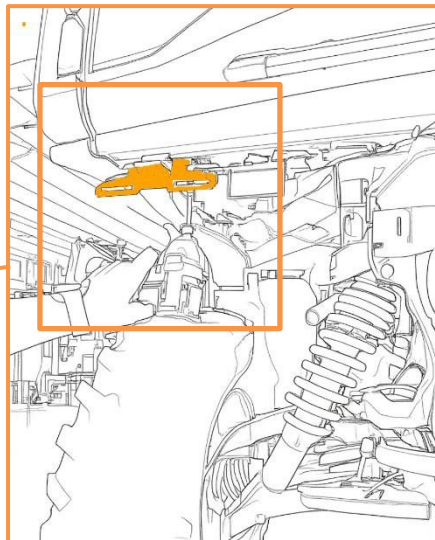
5

LICENSE PLATE BRACKET

1

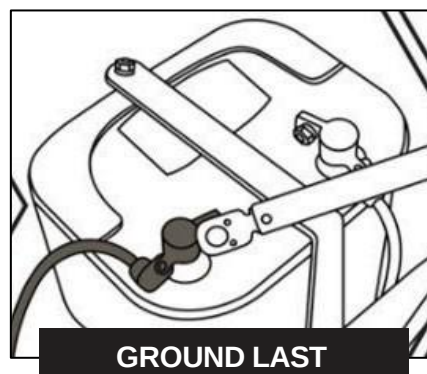
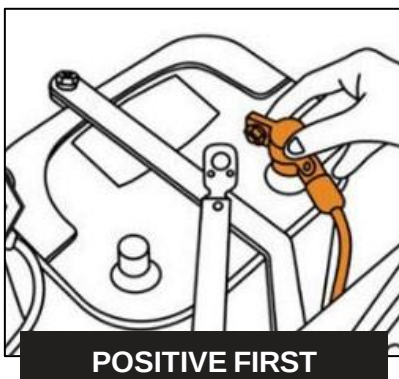
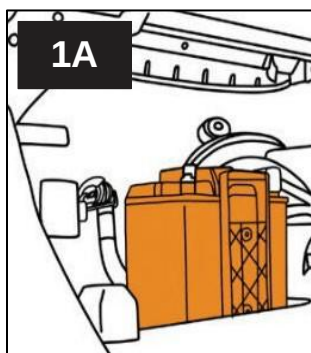
- Grab your license plate bracket and position it on your machine. Align the bracket with the frame rail as shown in the images below.
- Using a **10 MM SOCKET** and an **IMPACT DRIVER** (recommended)—or a ratchet if necessary—secure the bracket to the frame using the supplied self-tapping screws. Tighten the hardware until the bracket is firmly mounted. [SEE FIG. 1A]
- **NOTE:** License plate light is sold separately.

1A



1

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

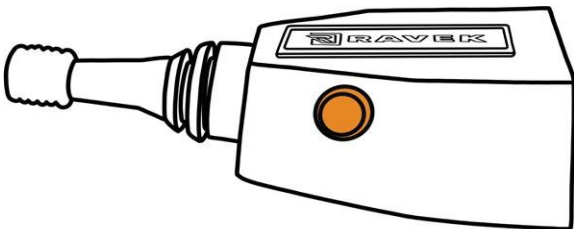


1

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

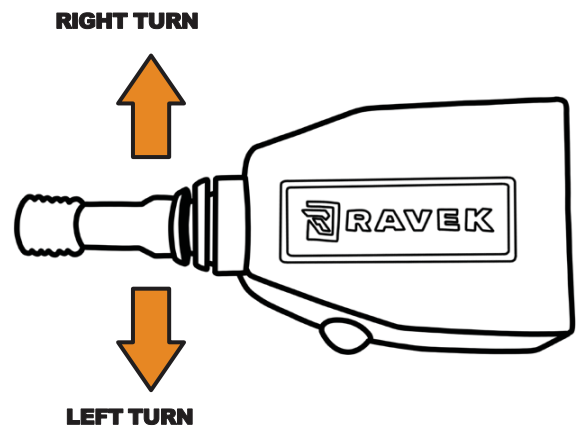
1. **Hazard Lights:** Press the button located on the underside of the lever (see FIG. 1A) to activate your hazards.
2. **Turn Signals:** Push the lever down for a left turn or up for a right turn, just like in a car. The lever is momentary, so it automatically returns to the neutral position—no manual reset needed [SEE FIG. 1B]
 - Turn Signal Duration:
 - 1 toggle: 10-second signal
 - 2 toggles: 20-second signal
 - 3 toggles: 30-second signal
 - **NOTE:** You can manually cancel the turn signal at any time by moving 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

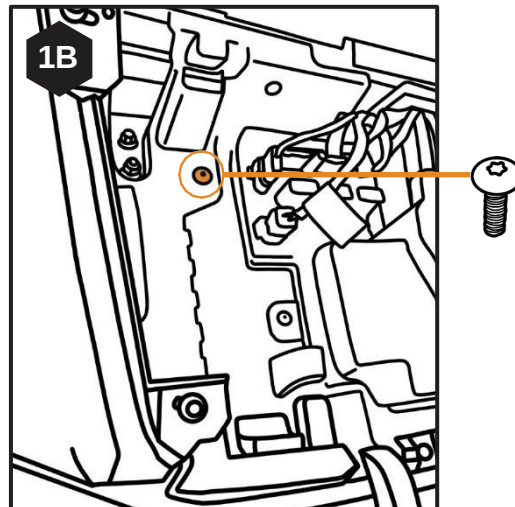
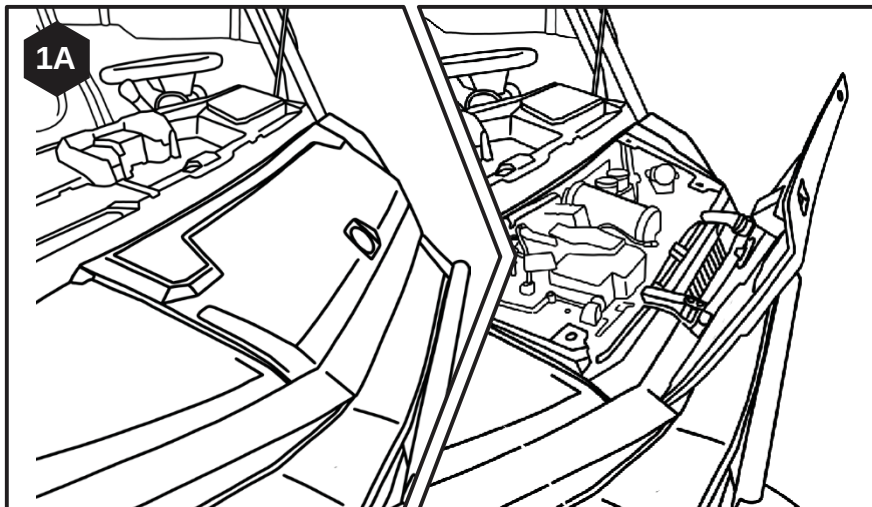
1B



FRONT VIEW

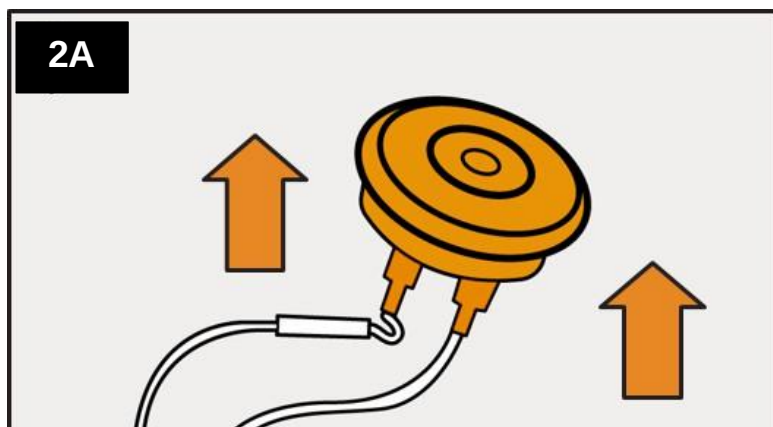
1

- Under the hood, use an OEM bolt location to mount the horn. Ensure the horn does not contact any surrounding surfaces or panels, as this may reduce or muffle the sound output. [SEE FIGS. 1A & 1B]
- For best fitment, we recommend using the **T-30 TORX** screw location shown in FIG. 1B.



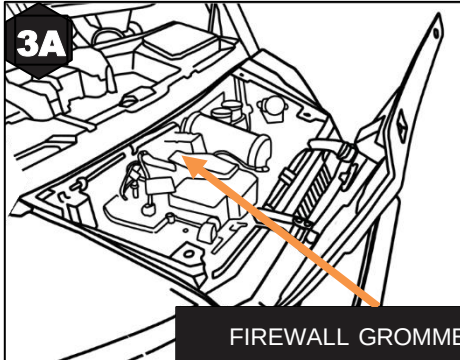
2

- If it's not already connected, plug the two spade terminals from the extension harness onto the horn. Either terminal will work. [SEE FIG. 2A]



3

- Route the horn harness from the under-hood area back through the grommet to the dash area where the RAVEK controller is located (outside-in), as this is the easiest way to access and manage the wiring. [SEE FIG. 3A]



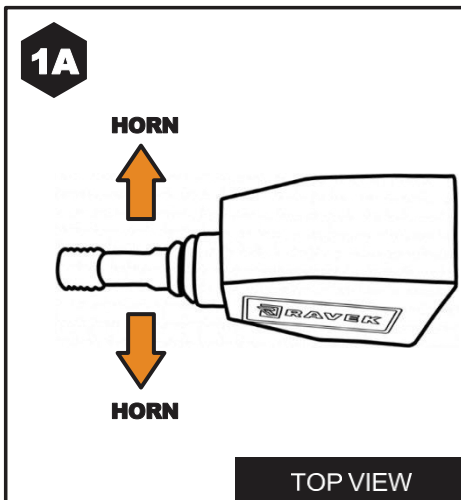
9

TEST YOUR HORN

1

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

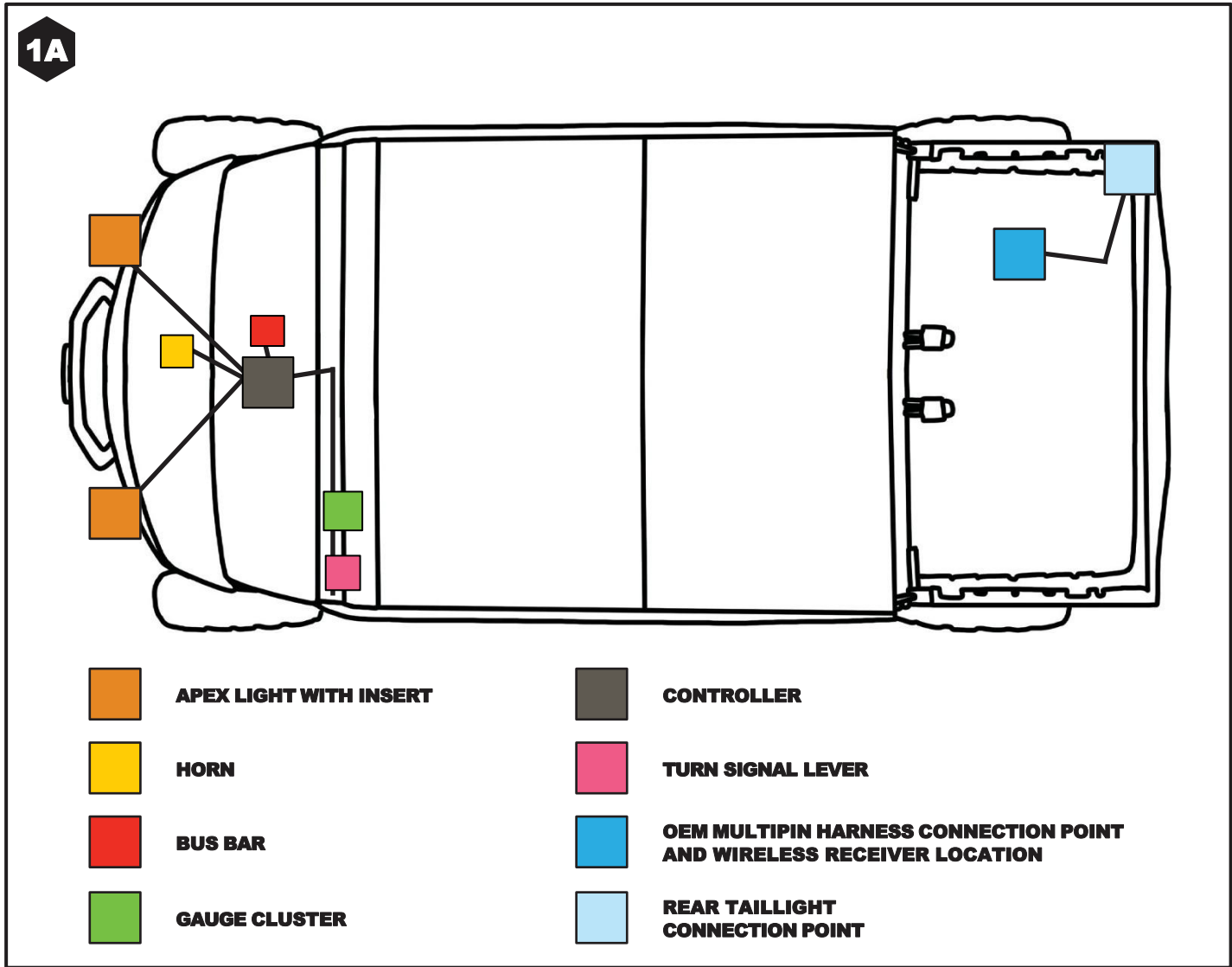
- 1. Horn:** To activate the horn, simply push or pull the lever. [SEE FIG. 1A]



2

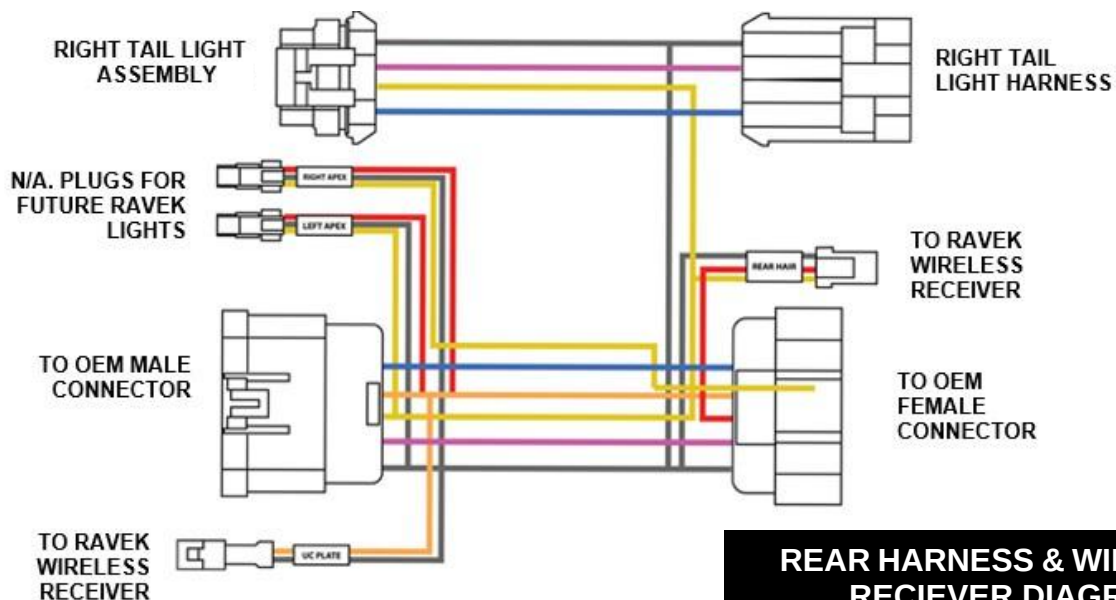
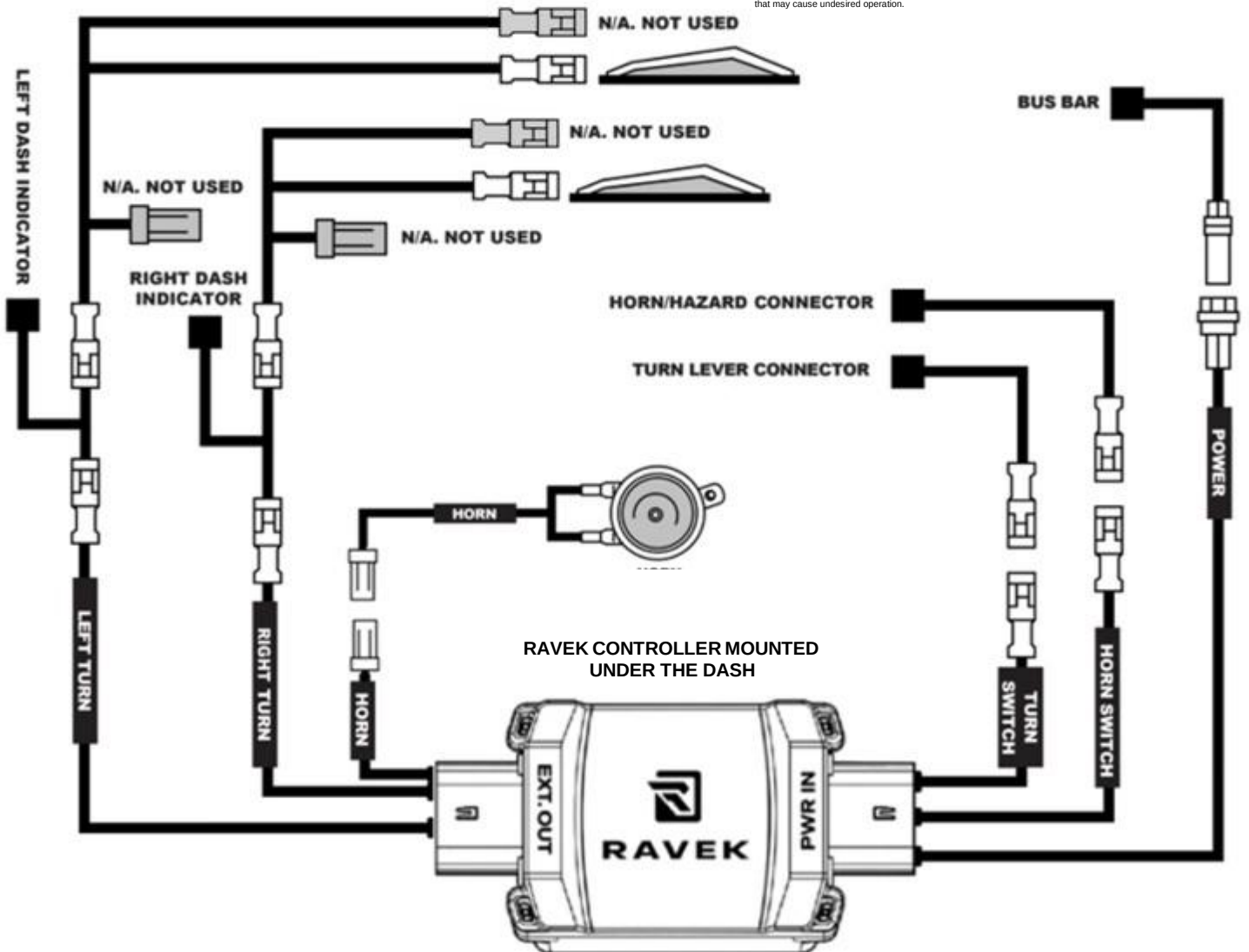
Once you have tested the kit and verified proper operation, reassemble your machine by placing all panels back in their corresponding positions.

See FIG. 1A for the Kit Overview Diagram.



RAVEK CONTROLLER WIRING DIAGRAM

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.



REAR HARNESS & WIRELESS RECIEVER DIAGRAM



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