



**INSTALLATION INSTRUCTIONS / OWNER'S MANUAL:
AUDIO SHADE
OFF-ROAD TOP FOR POLARIS RZR PRO XP 4 AND TURBO R 4**

www.hoppeindustries.com
22667 FM 15 Troup, TX 75789
(262) 552-2770

Thank you for choosing the Hoppe *Audio Shade* off-road top. We hope you enjoy the off-road top, and we ask that you follow these instructions very closely. Doing so will save you time and ensure that your experience with the new *Audio Shade* is a positive one.

We strongly suggest that you read the complete instructions before beginning the installation process to eliminate the possibility of performing unnecessary work.

Having a safe and clean environment and using the proper tools is essential for a successful installation.

It is critical that proper eye wear, ear protection, and protective clothing is worn throughout the top installation.

When you receive your *Audio Shade* off-road top, please check to ensure that all parts and hardware are included. If there are any parts missing or if you have any questions concerning the top at this time call Hoppe at (262)-552-2770 Mon-Thur. 8am-5pm CST, or you can email us at tech@hoppeindustries.com.

Hoppe reserves the right to change specifications, equipment, or designs at any time without notice and without incurring obligation.

TABLE OF CONTENTS

SECTION 1 – <i>Tools Required</i>	4
SECTION 2 – <i>About your Audio Shade Top</i>	4
2.1 Applicable Year Models:	4
2.2 Audio Equipment Details:.....	4
2.3 Warranty:	5
2.4 Care and Maintenance:	5
2.5 Warnings:	6
SECTION 3 – <i>Pre-Installation Inspection</i>	7
SECTION 4 – <i>Installation</i>	8

SECTION 1 – Tools Required

- Socket wrench set
- Combination wrench set
- Wire cutters
- Screw drivers

In addition to the above items, you may need shop supplies such as electrical tape, wire ties, thread locking compound, or RTV silicone.

SECTION 2 – About your Audio Shade Top

2.1 Applicable Year Models:

This *Audio Shade* off-road top is designed to fit the following RZR Pro XP 4 & Turbo R 4 models:

- 2020-2024 RZR Pro XP 4 (all versions)
- 2020-2024 RZR Turbo R 4 (all versions)
- All versions means it includes sub models such as Sport, Premium, Ultimate, LE.
- Does NOT fit any RZR Pro R models or 2024-newer RZR XP models.
- This system is compatible with most front full windshields.

2.2 Audio Equipment Details:

Your *Audio Shade* off-road top is powered by  using their premium quality power sports series audio equipment. This equipment is designed to function in all weather conditions. The stereo is specifically engineered to provide excellent sound quality and volume in an open air power sports environment so you can enjoy your music on the go.

To learn more details about your stereo system, you can access product information and manuals for the stereo equipment here: www.kicker.com

Your amplifier gains come pre-adjusted from the factory and are tuned for optimum sound quality and system protection. This means you can feel free to crank the volume without much worry of harming your system. However, it is wise to use a little common sense. If you hear any distortion, back off a little. We recommend you do not adjust the gains from the factory settings without first consulting Hoppe Industries.

Please note that your subwoofer will take 20 to 30 hours of play time to fully break in and reach its maximum output. You do not need to do anything different during this break in period. In fact, the more you listen and the louder you turn it up, the quicker you will

reach the maximum potential. Use the equalizer settings in your KMC2 receiver to adjust the bass as needed throughout the break in period.

2.3 Warranty:

Your *Audio Shade* comes equipped with a 1-year limited warranty covering the lights, the stereo equipment, and the composite enclosure. The date of warranty coverage will be determined by the registration date of the warranty card or online warranty registration.

<http://www.motortrike.com/TrikeAccWarranty.aspx>

If the warranty is not registered with Hoppe, the warranty period will begin when the Audio Shade was shipped from Hoppe's factory.

2.4 Care and Maintenance:

Your off-road top does not require any maintenance other than an occasional cleaning. To clean your top, simply hose off or power wash from a distance. If needed, use a mild automotive soap and sponge or brush. Use common sense. Do not use a high pressure power washer up close where it could cut, scar, or force water beyond the design intent of the top, lights, or stereo equipment.

The fuse box for the amplifier, radio, light bars, and interior lights can be accessed by removing the cover plate located on the underside of your roof.

There is also a mini 40 amp ignition relay built into the chassis harness near the battery terminal end of the harness, as shown in Figure 1.



Figure 1: Chassis harness relay.

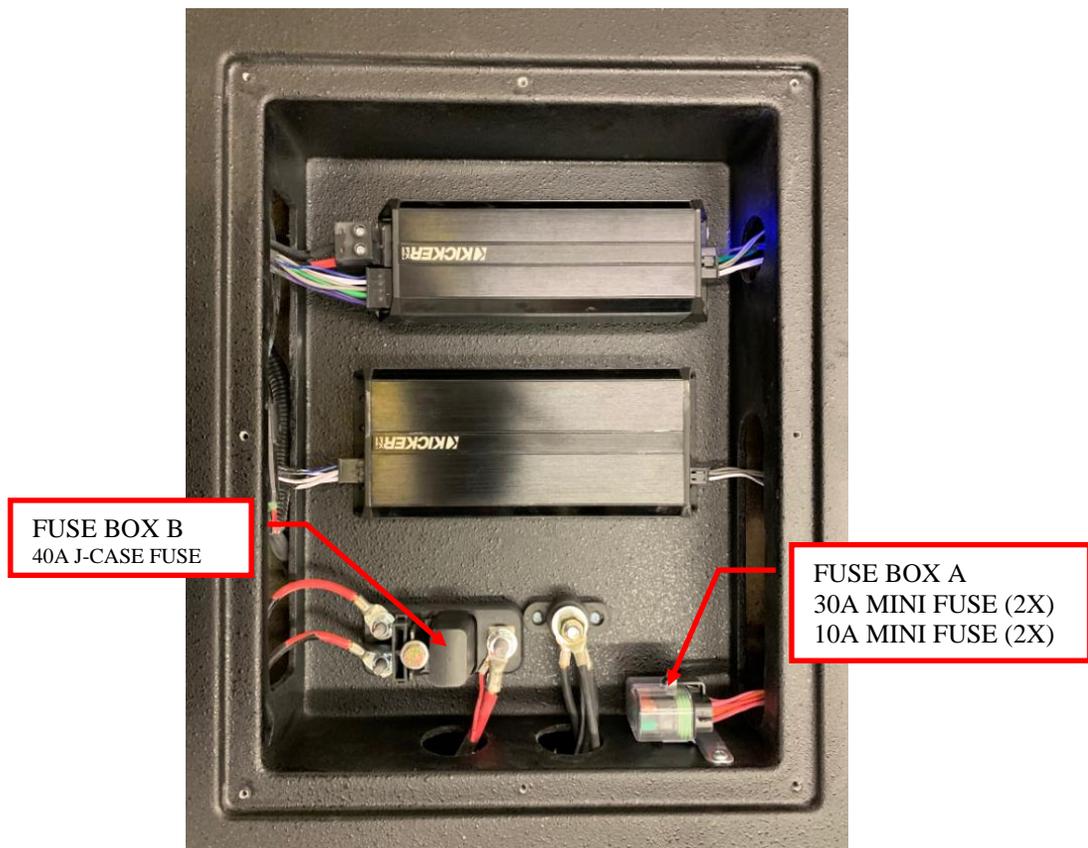


Figure 2: Fuse locations.

- Fuse 1 Box A: 30 amp mini fuse for rear light bar
- Fuse 2 Box A: 10 amp mini fuse for interior light
- Fuse 3 Box A: 30 amp mini fuse for front light bar / radio receiver power.
- Fuse 4 Box A: 10 amp mini fuse for illumination / radio receiver ignition.
- Fuse Box B: Each amplifier uses a 40 amp J-Case fuse located under the black plastic cover shown in Figure 2.

2.5 Warnings:

This off-road top adds up to 140 lbs. to your vehicle and is located up high on the roll cage. This increases the vehicles center of gravity and changes the vehicle dynamics and handling characteristics. Use extra caution as you learn the driving characteristics of your vehicles performance with your new off-road top installed. High speed cornering, off camber or side hill, acceleration, and braking performance will be negatively impacted by the weight of the top.

Do not listen to your stereo at an uncomfortable volume for extended periods of time. Potential hearing loss may result.

The driving lights provided with your Audio Shade are blinding to oncoming drivers. These are made for off road use only, and should be turned off when another vehicle is approaching on the trail.

SECTION 3 – Pre-Installation Inspection

Included in your off-road top are the following components:

- Pre-assembled *Audio Shade* off-road top. (All speakers and electronics come preinstalled with interior wire harness.)
- Chassis wire harness.
- Hardware bag.

If any of the parts are missing, damaged, or you have any questions concerning them, please call Hoppe at (262)-552-2770 Mon-Thur. 8am-5pm CST.

In addition to accounting for all of the parts that you should receive with the top, you should inspect the vehicle in the following ways.

- Ensure that the vehicle is equipped with the factory roll cage, and the roll cage has not been bent out of shape in a roll over.
- Make sure the vehicle does not have any aftermarket accessories that are incompatible with the top. **Note: This top is designed to be compatible with most factory windshields.**
- Make sure the battery is in good condition and holds a charge.
- Make sure the charging system is in good condition.

SECTION 4 – Installation

Note: The factory roof (if equipped) must be removed prior to performing this installation. You will also need to remove the U-nuts (used to secure the roof) from the holes in the cage. These can be pried off the cage with a screw driver. See Figure 3.

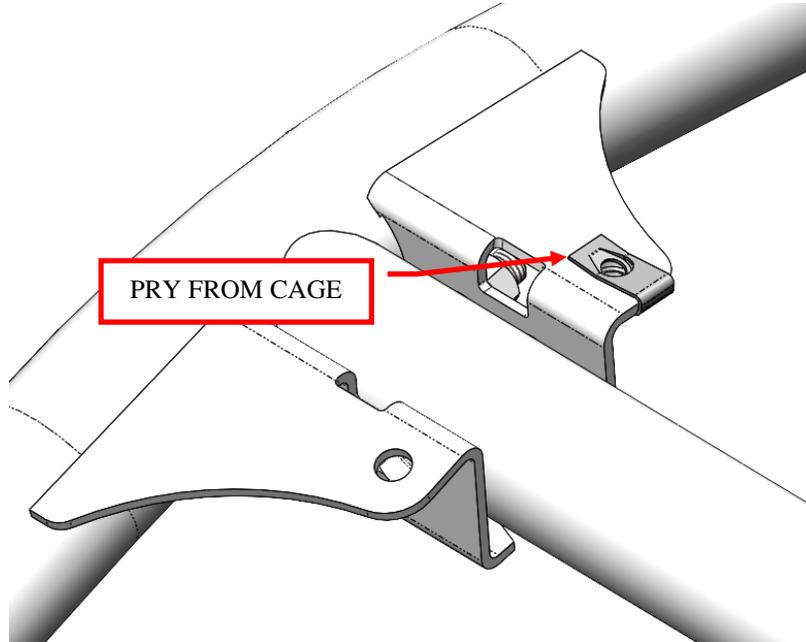


Figure 3: Remove the roof, then pry the U-nuts from the cage.

1. Clean the surface of the cage to remove dirt and residue before installing the foam tape. Use a mild detergent or paint safe solvent and allow to completely dry. Place the supplied foam tape across the surfaces highlighted in Figure 4 below.

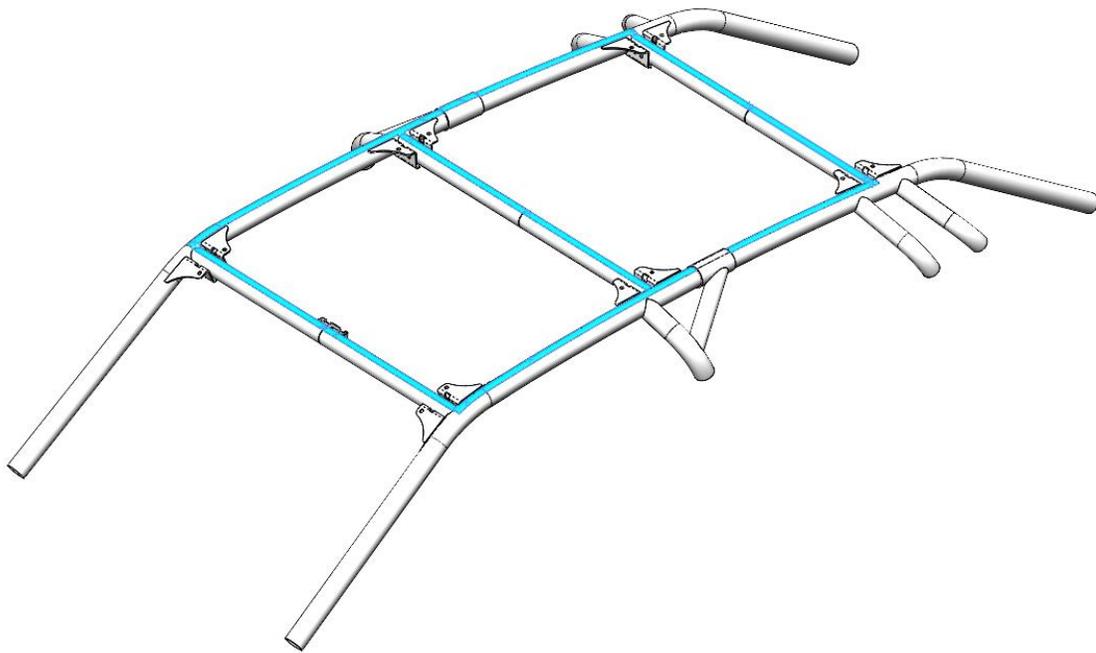


Figure 4: Areas to apply foam tape.

2. Using a few assistants, set the *Audio Shade* off-road top on the cage. The top is contoured such that the cage fits inside the grooves on the top. **Note: The top weighs up to 140 lbs. depending on your configuration. Since you will have to lift and reach, it is helpful to have at least 4 people for this step.** See Figure 5.

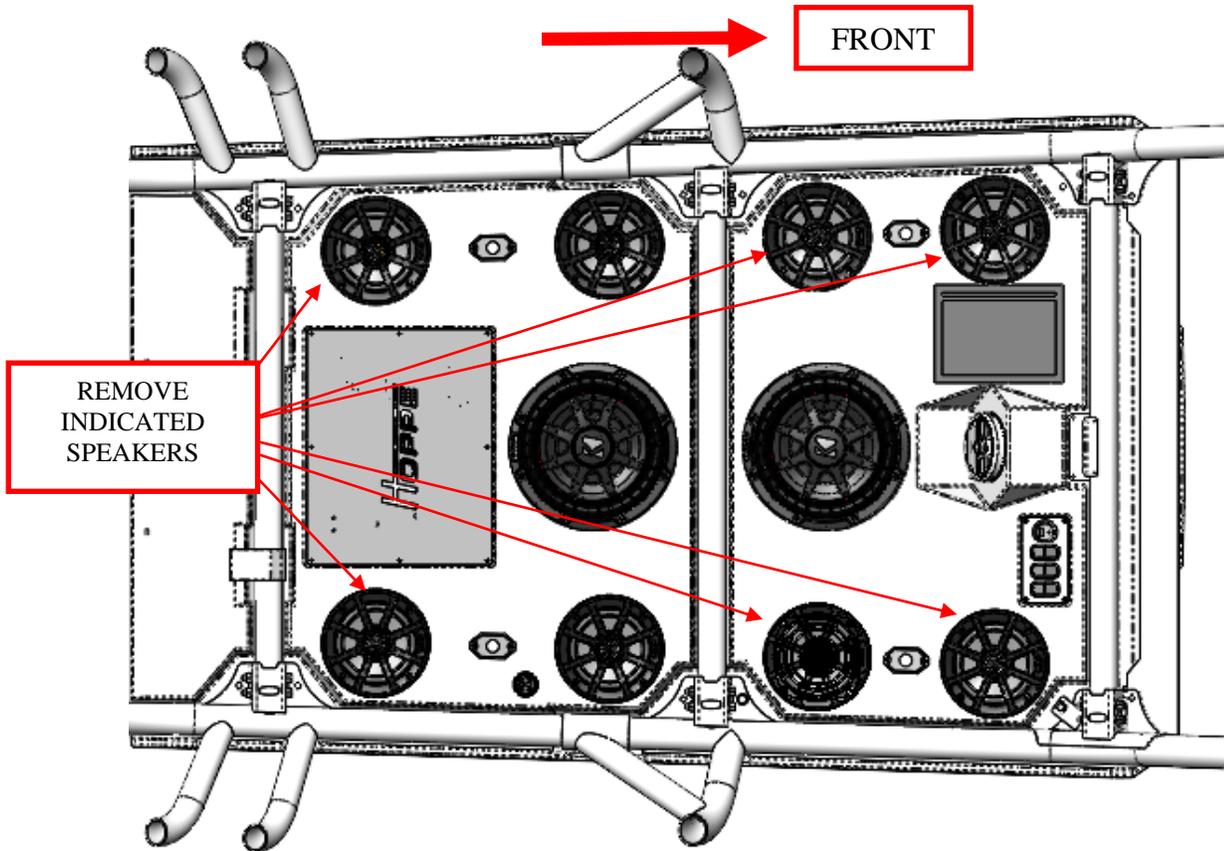


Figure 5: Install the top on the cage (view looking up from inside).

3. Remove the indicated 6.5" speakers so you can reach your hand inside the top. The speakers are held in place with 4-Philips screws each. Once the screws are removed, lower the speaker by hand to reach behind and disconnect the speaker wires. See Figure 5.
4. On the middle and rear of the cage (4 places), reach through each speaker opening, and bolt the top to the cage using the supplied 5/16-18 nylock nut, bolt, and washer. Torque to 15 ft.*lbs. The bolt extends through the inner skin of the roof and the metal brackets on the cage. See Figure 6.

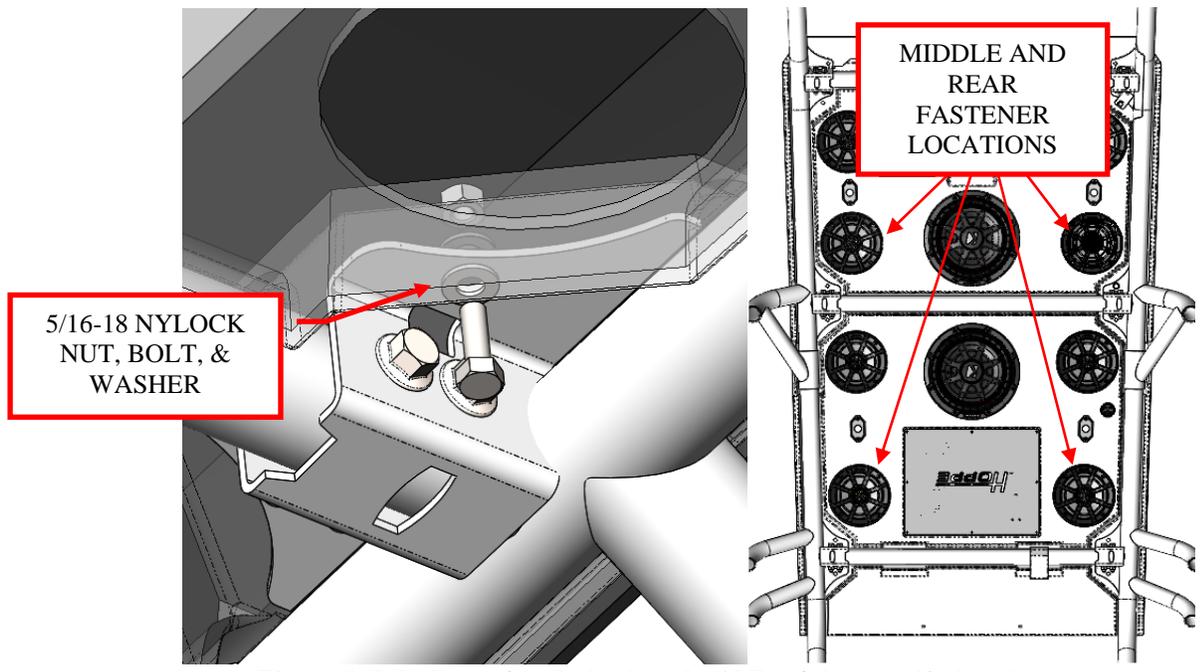


Figure 6: Bolt the roof to the back and middle of the cage (4 places).

5. On the front of the cage, the bolt holes are offset for internal clearance, and a metal tab is used to clamp the cage to the roof. Pre-assemble the tab, bolt, and bottom nut (non-nylock). Fully tighten the bottom nut. It acts as a fulcrum for clamping to the cage. Insert the preassembled tab and nut into the bolt hole in the roof. Reach through the speaker opening to secure the top nut and washer. Make sure to position the tab so it is hooked over the cage bracket with maximum overlap. Tighten to 15 ft*lbs. See Figure 7.

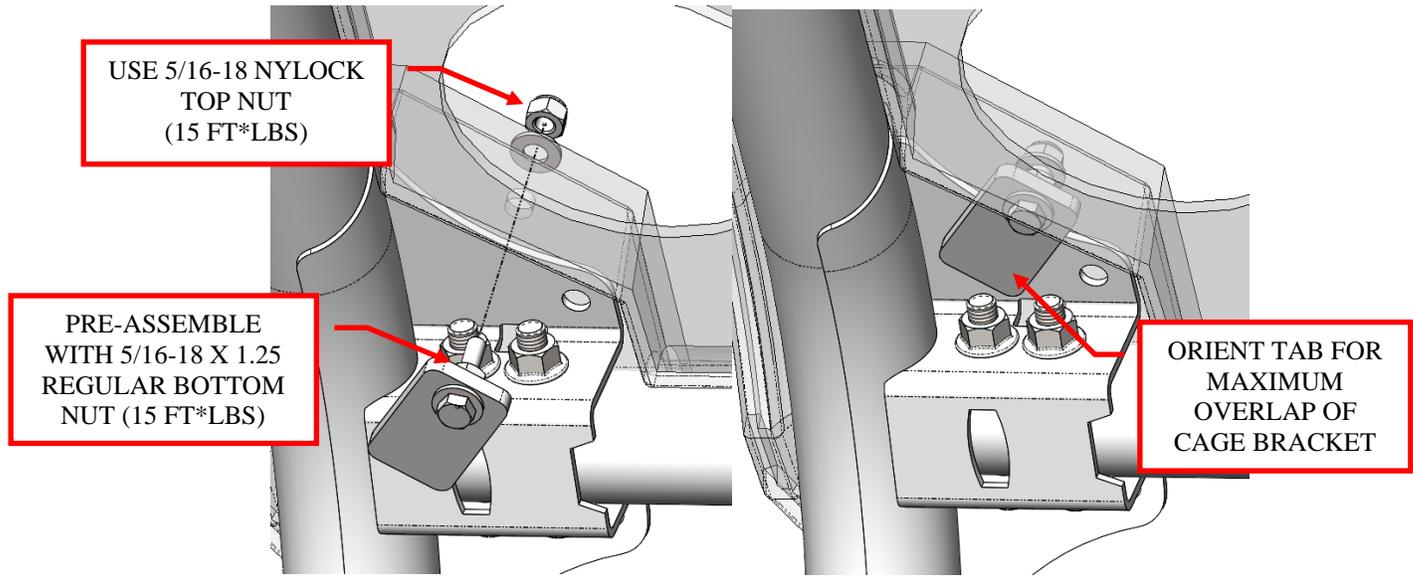


Figure 7: Bolt the roof to the front of the cage (left side shown, right side similar).

6. Once the roof is bolted in place, re-install each speaker. Be sure to connect the smaller wire terminal to the smaller tab, and the larger terminal to the larger tab. Make sure you match the orientation of the logo to the other speakers.
7. Remove the driver's seat to access the battery. The seat has a quick release lever located between where the driver's legs would be. See Figure 8.

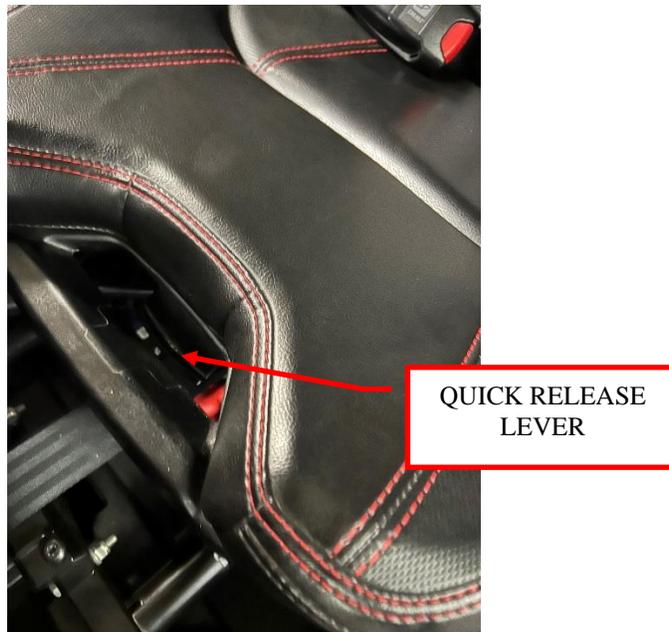


Figure 8: Remove the driver's seat.

8. Route the chassis wiring harness along the down tube on the driver's side center chassis tube ("B pillar"). The connector goes to the roof. The relay end goes under the seat. Secure the chassis harness using a zip tie around the cage at the top and just below the door line. Use the stick-on zip tie mounts to secure it in the middle to the flat sheet metal cage support. See Figure 9.



Figure 9: Route the chassis harness.

9. Route the chassis harness under the seat bracket. Connect the red power wire to the positive terminal of the battery. Connect the black ground wire to the negative terminal of the battery. Zip tie the relay to the inside of the seat bracket as shown. Add additional zip ties to secure the chassis harness to the lower half of the cage B pillar (below the door). See Figure 10.

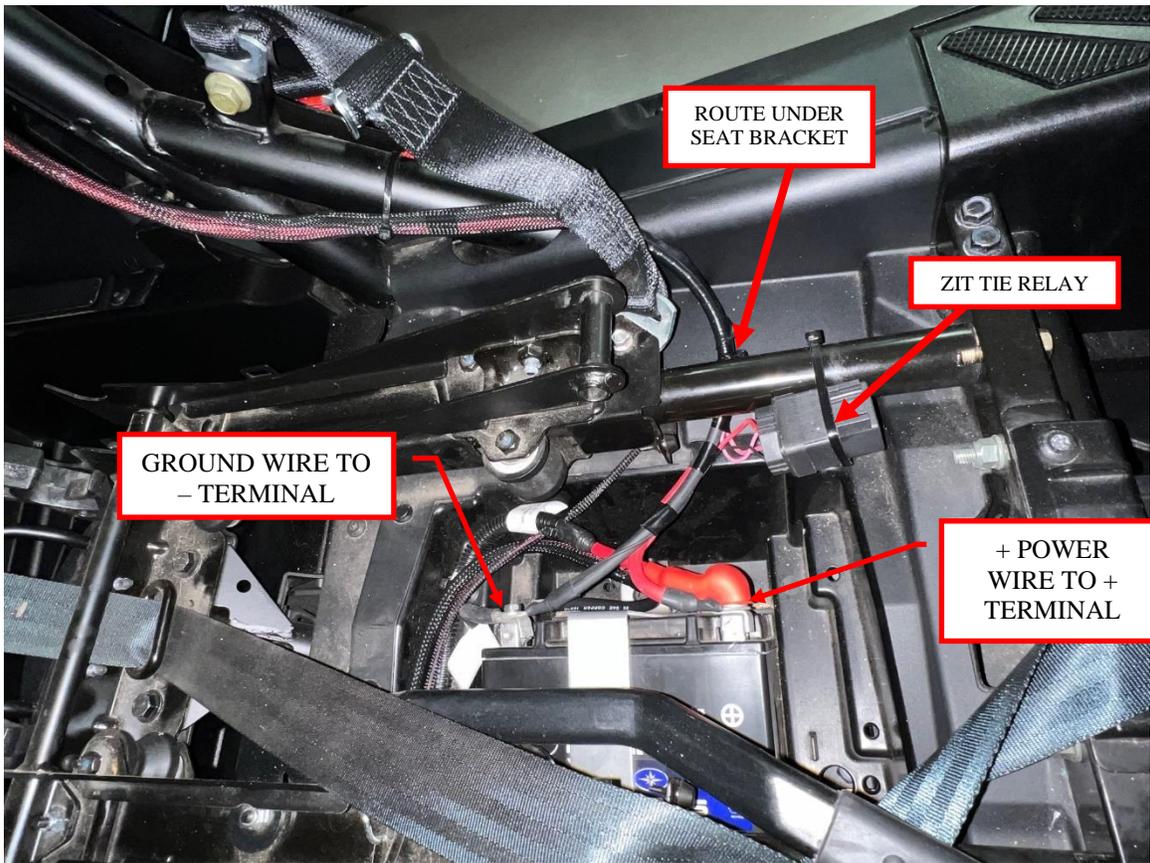


Figure 10: Connect the Audio Shade harness to the battery.

10. Extend the ignition wire connectors (pink wire with quick disconnects) through the opening into the center console. See Figure 11.

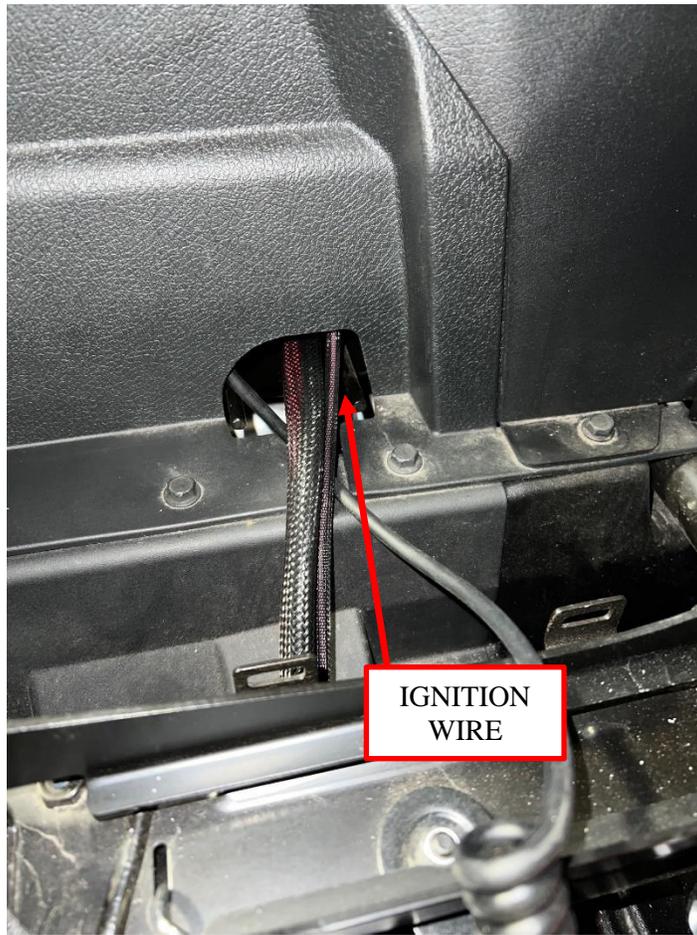


Figure 11: Extend ignition wire into center console.

11. On the back of the center console pry the trim panel out to access the back of the power socket. See Figure 12.



Figure 12: Remove trim panel from console.

12. Unplug the orange wire from the back of the power socket. Connect the orange wire to the mating terminal on the chassis harness. Connect the terminal on the chassis harness to the back of the power socket where the original orange wire was removed. See Figure 13.



Figure 13: Connect to the ignition wire.

13. Connect the Audio Shade roof to the chassis wire harness. Align the connector terminals and rotate the connector housing $\frac{1}{4}$ turn to lock in place. See Figure 14.



Figure 14: Align connector terminals and rotate 1/4 turn.

14. Re-install the trim panel on the back of the center console.
15. Re-install the seat. Make sure the chassis harness does not interfere with the seat adjustment.
16. You are now ready to enjoy the music, lighting, and shade provided by your *Audio Shade* off-road top. Basic operation works as follows:
 - Turn the vehicle ignition switch on to power up the stereo system.
 - Press the source button on the stereo receiver to select the input source from AM/FM radio, Bluetooth, or Auxiliary.
 - Press and hold the menu button to access the Device Settings menu.
 - Use the Volume knob to change the values for each setting, and press it to confirm the setting.
 - Press and hold the Volume knob to access the Audio Settings menu.
 - Use the Volume knob to change the values for each setting, and press it to confirm the setting.
 - The front and rear light bars can be used with or without the vehicle's ignition switch on. Press the toggle switches to activate each component. Warning: extended use of the light bars without the vehicle's charging system functioning will deplete the battery and the engine may not start.
 - To control the RGB interior lights, flip the toggle switch on, then follow the appropriate steps based on how your roof is equipped:
 - Standard (rock light): download the Bluetooth app to your iOS or Android device. The app information is included with your Audio

- Shade and is located in the zipper pocket. Use the app to set the color, intensity, and / or flashing mode.
- Speaker light rings: use the supplied remote control to set the color, intensity, and / or flashing mode.

To learn about the more advance features and operation of your stereo, visit the Kicker website links found in SECTION 2 – About your Audio Shade Top of this document.

Thank you for choosing Hoppe *Audio Shade* off-road top for your Polars RZR UTV. We hope you enjoy your new sound system, top, and lighting. We invite you, in your travels, to stop by our manufacturing plant in Troup, Texas, for a factory tour and to meet the people who designed and manufactured your Audio Shade off-road top. This will also give you an opportunity to check out our sister companies



and our extensive line of trike conversions, automotive, motorcycle, and power sports accessories.

We believe you will be impressed by what you witness and the people you will meet.