

# **MBQUART**®

MUSIC. DEFINED.

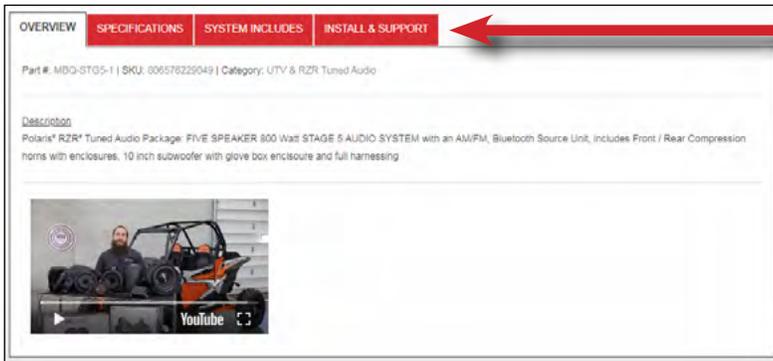
## **Installation Manual**



## **MBQR-POD-2**

**8-Inch 2-Way  
Compression Horn Speakers  
in Kick Panel Enclosures  
for Polaris® RZR® Vehicles**

Thanks for choosing MB QUART! The RZR-Tuned MBQR-POD-2 kick panel-mounted 8” 2-way compression horn speakers have been meticulously engineered for your vehicle. The process of installation is simple and straightforward. Installation following these detailed instructions can be completed in about 1.5 hours.



### INSTALLATION OVERVIEW VIDEO

Many of the MB Quart vehicle-specific products feature a “how to” install video with additional details on a successful installation

Locate your specific video on the website. Type your model number (MBQR-POD-2) into the search box, then click on the INSTALL & SUPPORT tab.

## WHAT'S INCLUDED

The RZR® MBQR-POD-2 kick panels with 8-inch speakers ship in one box and these work equally well with either non-Ride Command® vehicles or those equipped with the Ride Command® system.

- Two Kick Panel-Mounted 8-inch Compression Horn Speakers in Vehicle-Specific Enclosures
- Drilling Template for Mounting Holes
- Mounting Hardware

**NOTE** – Hardware for mounting components and other installation-related items you will need are contained in the kit. Upgrade your RZR audio system by adding the optional companion subwoofer, MBQR-SUB-2, and optional rear speakers, NHT1-120BPR.

Do not dispose of any packaging until you have completely installed your system and certain you have accounted for every piece. If something is missing, please contact Maxxsonics directly via email – [support@maxxsonics.com](mailto:support@maxxsonics.com).

## WARRANTY

Your audio system is covered by a 1-year warranty from the date of the invoice. It is important to retain your sales receipt. Furthermore, it is crucial that you record and store a record of the serial numbers for each of the components that are included in your system. In the rare instance that a warranty claim is needed both proofs of purchase and serial numbers are required. Additional information on the back page.

## TECHNICAL SUPPORT

For additional technical information, go to the “SUPPORT” tab at MBQUART.com. There you will find helpful, FAQ, TEQ Tips and you can contact Technical Support via email.

## INSTALLATION TIME

About 1.5 hours are required to complete this installation, not including other system components.

### TOOLS AND SUPPLIES NEEDED

- Wire Strippers and Crimpers
- Flush Cut Wire Cutters (for trimming zip-ties)
- Hand-Held Drill and 5/16" Drill Bit
- Ratchet
- 10mm Socket
- T25 Torx Driver
- Blue Painter's Tape and Marker Pen
- Small (Jeweler's) Screwdriver
- Bojo Tools (Pry Tools)
- Socket (preferably deep)
- 1/2" Open Box Wrench
- T40 Torx Driver

Depending on which vehicle-specific RZR-Tuned audio system you are installing and what other components (not included in this kit) that are also being installed, you may or may not need all of the tools listed below. You may also own more specialized tools to complete the installation. Please share the pictures of your installation on MB Quart social media channels to help others.

In addition to the tools listed, have music ready for the INITIAL TESTING step. MB Quart recommends:

- USB thumb drive with music pre-loaded
- Bluetooth device such as a smartphone with music or a music app

### SAFETY PRECAUTIONS

Safely prepare your machine for the installation before proceeding.

- Turn the ignition off and remove the key
- Use a packing blanket other soft material to protect your machine
- Safety Glasses - always wear eye protection

### PREPARATION FOR INSTALLATION

Before dismantling your vehicle, we suggest you prepare all your components, enclosures, hardware and wiring. It increases efficiency to have everything ready when each component is installed.

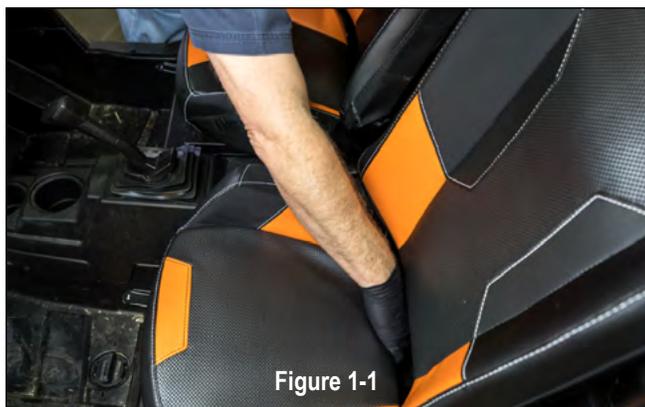


Figure 1-1

#### STEP 1 – REMOVE SEATS

Remove driver and passenger seats by pulling on the lock clip shown in Figure 1-1. This lock clip is located between the bottom and upright portion of the seat.

Removing both seats will give you the room to work in the kick panel areas, in addition to getting access to the battery for Step 2.



Figure 1-2

#### STEP 2 – REMOVE NEGATIVE BATTERY CABLE

Using a 10mm socket and ratchet, remove the negative battery terminal and set aside as shown in Figure 1-2.

This safety measure ensures you do not have any accessories powered during the installation, as well as keeps the battery from unnecessarily draining.

## TWO RZR-TUNED SOURCE UNIT OPTIONS!

Depending on whether or not your RZR® vehicle has the optional Ride Command® system, you can purchase optional MB Quart source unit options to suit your application.



### ABOUT RIDE COMMAND®

All Polaris® RZR® vehicles up to 2017 do not have the Ride Command. It wasn't available as an option. From the 2017 RZR XP® 1000 EPS Velocity Blue Limited Edition and later RZR model years, you can have Ride Command as an option.

### VEHICLES WITH RIDE COMMAND®

If your 2017 or newer RZR model is **equipped with the Ride Command system**, the MB Quart part number **RC1-2RCA-F is vehicle-specific adapter** that connects to the Ride Command system and provides an RCA female connector for standard audio connections. There are three outputs on the Ride Command system so, depending upon your audio system configuration, you may need up to three adapters. They are sold separately, one adapter to a package. Check [www.MBQuart.com](http://www.MBQuart.com) for details.



Ride Command Adapter

### VEHICLES WITHOUT RIDE COMMAND®

If your RZR model is **not equipped with the Ride Command system**, MB Quart offers the **MBQR-RAD-2 digital media source unit in a vehicle-specific housing** intended to fit in the storage pocket space at the center of the dash (once the pocket is removed). This offers an easy fit with USB, Bluetooth, AM/FM/WB radio and a number of great features perfectly suited for a modern digital media source unit in your RZR. Check [www.MBQuart.com](http://www.MBQuart.com) for details.



MBQR-RAD-2 digital media source unit

## AUDIO SYSTEM ACCESSORIES FOR YOUR Polaris® RZR®

MB Quart offers audio system accessories to further personalize your vehicle. You can find more information at [www.MBQuart.com](http://www.MBQuart.com).

### SR1-120RGB LED RING LIGHT

The optional 8-inch SR1-120RGB LED ring light features 16 different colors, including 88 brightness variation of colors in between, and 4 effect modes including Flash, Strobe, Fade, and Smooth. Fits both the front kick panel speakers included with the this MBQR-POD-2 system and the optional rear speaker pods (shown). Applies to vehicles with or without Ride Command®. Sold as pairs (2pcs).



SR1-120RGB LED Ring Light



### RFREM WIRELESS REMOTE

The optional MB RFREM wireless radio frequency (RF) remote for the MBQR-RAD-2 source unit is a Bluetooth device with 32ft. (10m) range. It's designed to mount on the inside of the RZR steering wheel and secured with a velcro strap. It has an IPX6 water-resistant rating. Does not work with Ride Command® system, only MBQR-RAD-2.



RFREM Wireless Remote



## DASH AREA DISASSEMBLY 2013-2018 (Non-Turbo S) RZR

Please note, separate disassembly instructions for the 2018.5 Turbo S and 2019+ RZR models are found on pages 7-9 in this manual.

### STEP 1 – REMOVE CENTER HOOD

Start with removing the hood as shown in Figure 5-1. Twist the tabs at the upper left and right corners. Pull up to remove. **This is where you will access the bus bar if you will also be installing an amplifier to power the kick panel speakers.** Confirm that your machine has the bus bar harness installed. If your bus bar harness has not been installed, you can purchase from your dealer or Polaris online. The part numbers are 2881551 or 2881646 depending on which specific RZR model you own.



Figure 5-1

### STEP 2 - REMOVE TOP OF DASH

Remove (2) T40 screws as shown in Figure 5-2. Slide dash forward to access back of dash and unplug gauges and switches one at a time. Set dash aside in a safe location. This will provide wiring access.

### STEP 3 – REMOVE THE GRAB BAR

Remove the grab bar as shown in Figure 5-3 by removing the retaining clip and pin and firmly pulling the grip toward the rear of the vehicle.



Figure 5-2



Figure 5-3

### STEP 4 - REMOVING DASH POCKET & REAR MOUNT

To remove the DIN dash pocket from the dash, locate the rear support bracket at the rear of the pocket and remove the T40 Torx head screw as in Figure 5-4. Next, remove the clip shown on the right from the back and pull out the plastic pocket. Set aside the retaining clip shown in Figure 5-5 for re-use when mounting an MBQR-RAD-2 source unit or simply reinstalling the pocket.



Figure 5-4

Set aside OEM dash clip for source unit mounting later in the installation if you are installing an MB Quart MBQR-RAD-2 or simply reinstalling the pocket.



Figure 5-5

## DASH AREA DISASSEMBLY 2013-2018 (Non-Turbo S) RZR - Continued

### STEP 5 – REMOVE DASH FASCIA CENTER HARDWARE

Remove (4) Torx screws from the front of the dash through the openings shown in Figure 5-6. The first set of Torx screws will come out allowing access to the second (upper) set further back in the dash. Next, pull the only the center of the dash loose as shown in Figure 5-7. This will provide further wiring access.

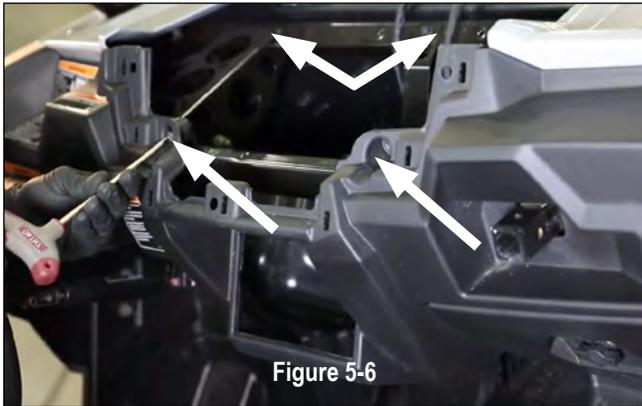


Figure 5-6

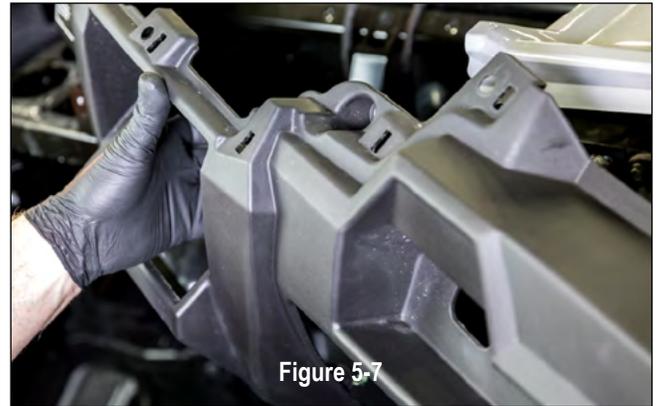


Figure 5-7

### STEP 6 – REMOVE DASH FASCIA HARDWARE

Using a large panel removal tool, release the side clips from the passenger's side front dash assembly as shown in Figures 5-8 and 5-9. Slowly ensure you account for all clips removed.



Figure 5-8



Figure 5-9

### STEP 7 – REMOVE THE GLOVE BOX

Remove (2) 10mm bolts on the top of the glove box where it is fastened to the grab bar framework. See holes in Figure 5-10. The glove box will easily slide out. This will make the kick panel area more accessible and allow for easy wire running to wherever you place the amplifier.

Go to page 10 for kick panel installation steps on these model year vehicles.

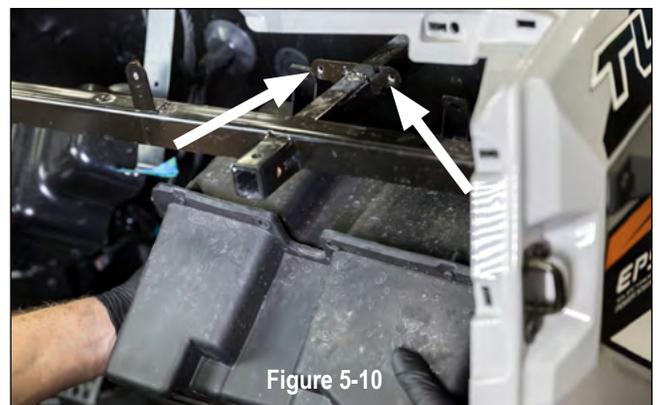


Figure 5-10

## DASH AREA DISASSEMBLY 2018.5 Turbo S & 2019+ RZR (RIDE COMMAND)

Please note, separate disassembly instructions for the 2013-2018 RZR models are found on pages 5-6 in this manual.

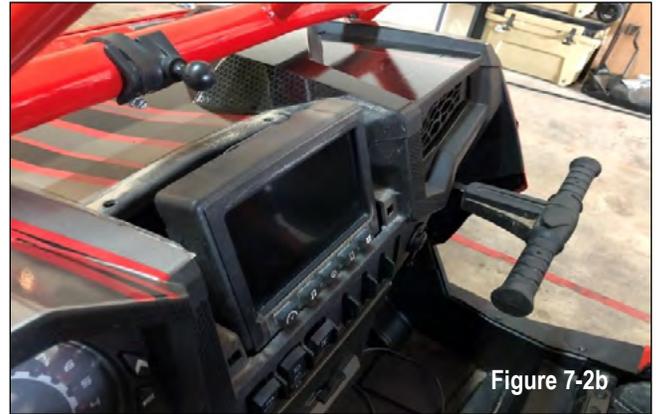
### STEP 1 – REMOVE CENTER HOOD

Remove the center of the hood area as shown in Figure 7-1. Twist the recessed tabs at the upper left and right corners. Pull up to remove. Next, pull passenger's side grab bar retaining clip and pin, then firmly pulling the grip toward the rear of the vehicle. **This is where you will access the bus bar if you will also be installing an amplifier to power the kick panel speakers.** This access is also necessary for further disassembly.



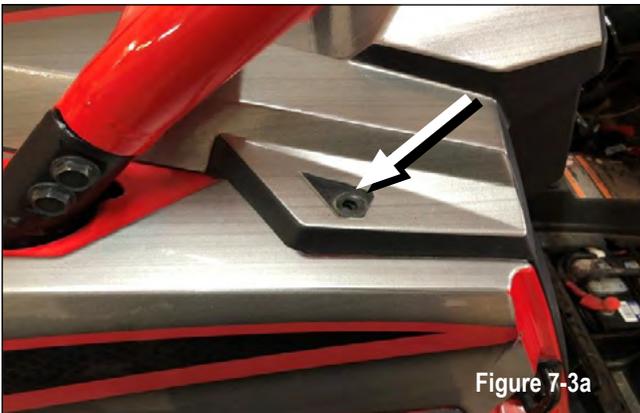
### STEP 2 - REMOVE CENTER SHROUD

Remove (2) plastic push clips behind the center shroud as shown in Figure 7-2a to remove the Ride Command cover or pocket depending on your vehicle. Cover removed shown in Figure 7.2b.



### STEP 3 - REMOVE FULL FRONT COVER DASH TOP ASSEMBLY

Remove (2) T40 screws located by the A-pillars as shown in Figure 7-3a. Next, remove the (2) T40 screws holding the front of the dash in the inner fender near the water bottle and bus bar. Lift upwards to release the top of the dash cover and remove as shown in Figure 7-3b. This allows easy access for running wires.



## DASH AREA DISASSEMBLY 2018.5 Turbo S & 2019+ RZR - Continued

### STEP 4 – REMOVE DYNAMIX® ECU BRACKET OR POCKET SCREW

If no Ride Command, Dynamix ECU or OEM installed amplifier are present, proceed to removing lower pocket. If you have the Dynamix ECU or OEM installed amplifier, remove (4) 10mm bolts holding the bracket as shown in Figure 7-4a. Move the ECU and/or OEM amplifier to the side leaving wire connections intact. Lower pocket removal is (1) T40 screw on the pocket support bracket as shown in Figure 7-4b.

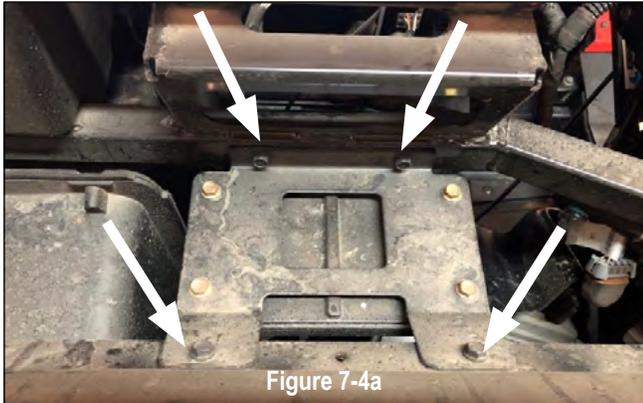


Figure 7-4a



T40 Torx Screw

Figure 7-4b

### STEP 5 – REMOVE LOWER POCKET AND PASSENGER SIDE CUBBY

Remove the lower pocket by pulling forward as shown in Figure 7-5a. If you have Ride Command you will also have to disconnect the USB cable. If you don't have Ride Command, the pocket area is where the MBQR-RAD-2 source unit installs if you'll be installing one. Next, remove (2) plastic push clips in the passenger side cubby as shown in Figure 7-5b. Then remove cubby and set aside.



Figure 7-5a



Figure 7-5b

### STEP 6 – REMOVE CENTER SWITCH HARDWARE

Remove (4) T40 screws located above the center switches as in Figure 7.6a. If you have a Ride Command, (2) will be on each side of the screen and (2) behind the screen as in Figure 7.6b.



Figure 7-6a

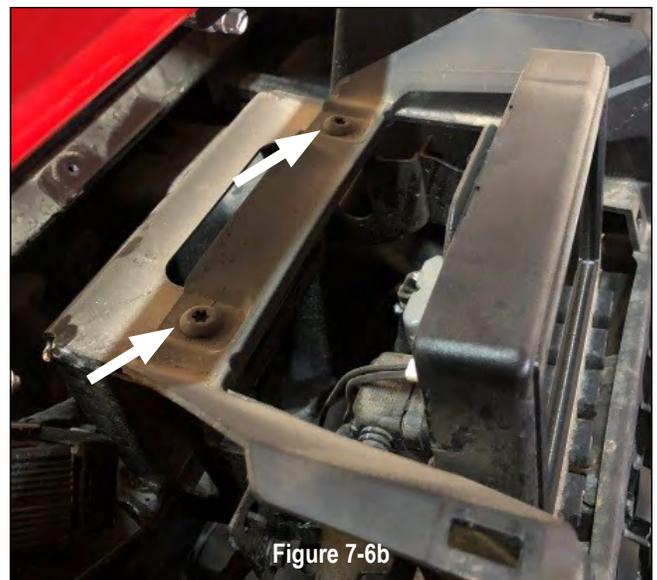
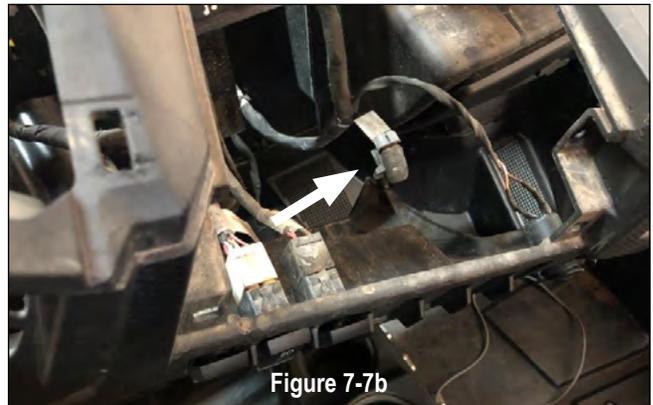
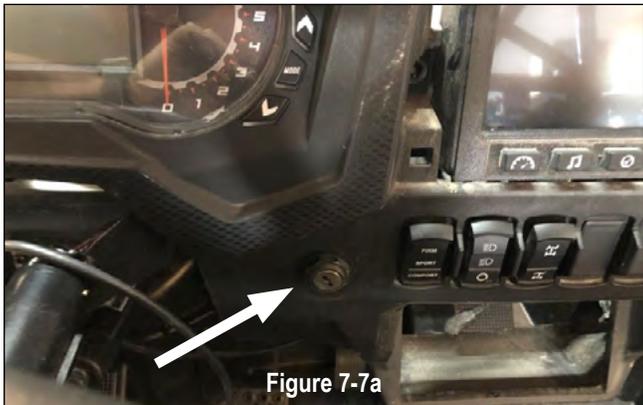


Figure 7-6b

## DASH AREA DISASSEMBLY 2018.5 Turbo S & 2019+ RZR - Continued

### STEP 7 – PREPARE FINAL ELECTRONICS FOR DASH REMOVAL

Gently remove the plastic nut holding the ignition switch to the dash as shown in Figure 7-7a. Next, disconnect wires from back of switches as shown in Figure 7-7b. Take note of plug color and switch location for reassembly purposes.



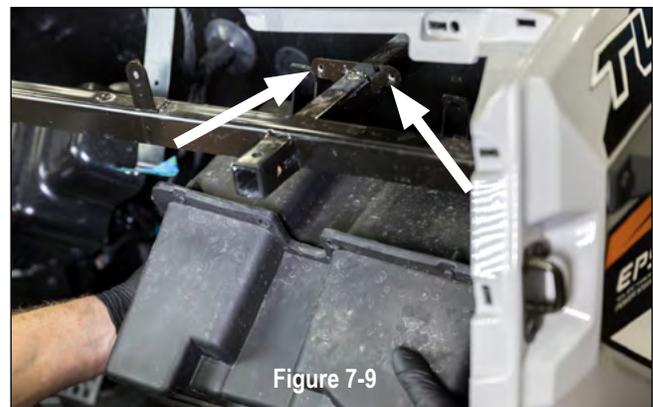
### STEP 8– REMOVE DASH FASCIA

Gently pull dash fascia toward seat to remove as shown in Figure 7-8. Set aside in a safe location until it's time for reassembly. This allows further access for running wires.



### STEP 9 – REMOVE THE GLOVE BOX

Remove (2) 10mm bolts on the top of the glove box where it is fastened to the grab bar framework. See holes in Figure 7-9. The glove box will easily slide out. This will make the kick panel area more accessible and allow for easy wire running to wherever you place the amplifier.



Go to page 10 for kick panel installation steps on all model year RZR vehicles.

## MOUNTING THE KICK PANEL SPEAKERS

Through hundreds of installations, we've found once mounting holes are drilled, it's best to start with the driver's side kick panel and then move on to the passenger's side kick panel to complete the mounting and wiring of the kick panels. This way you only need the drill out once, then completely finish the left before moving on to the right. The subwoofer should already be mounted at this stage and both kick panel wires run to their respective general areas.

### STEP 1 – MARK HOLES USING SUPPLIED TEMPLATE

Use a few small lengths of painter's tape in the kick panel area to easily see marks left by a felt-tipped pen or pencil. Place the clear plastic template on driver's side as shown in Figure 14-1 and mark the mounting holes to drill. Repeat on the passenger side.



Figure 14-1

### STEP 2 – DRILL HOLES

Drill (2) 1/2 inch mounting holes into the fender where you marked the tape shown in Figure 14-2. A 1/2 inch step drill bit is recommended for this step. Repeat this process and drill two more 1/2 inch mounting holes on the passenger's side kick panel area. Remove any tape in the drilling area from the interior kick panels.



Figure 14-2

### STEP 3 - PLACE DRIVER'S SIDE KICK PANEL

Place driver's side kick panel pod in its location as shown in Figure 14-3. Ensure the positioning lines up with the holes you've drilled.

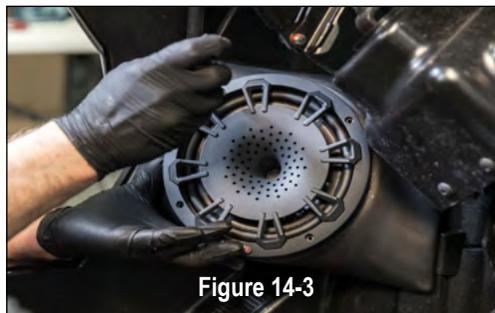


Figure 14-3

### STEP 4 – PUSH OUTER BOLTS THROUGH FENDER AND MOUNT DRIVER'S SIDE KICK PANEL

With the included hardware push (1) bolt and (1) washer through the driver's side inner fender well into the threaded insert of the driver's side kick panel pod. This leaves only the head of the bolt visible behind the tire.

Once the first bolt and washer are threaded in, insert and thread the second bolt and washer for a total of two bolts/washers attaching the kick panel pod to the driver's side fender well as shown in Figure 14-4.

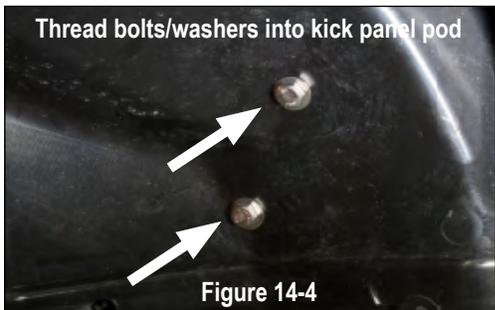


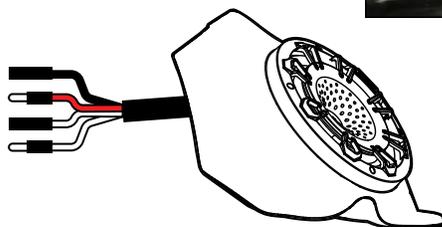
Figure 14-4

**NOTE** - Wait to mount passenger side kick panel until driver's side panel is completely mounted and wired.

### STEP 5 – CONNECT WIRING INTO KICK PANEL

Connect wiring from your amplifier to the wire harness from the kick panel as indicated. Route the wire away from moving parts or sources of moisture and heat.

- SOLID WHITE - Left Front Speaker +
- WHITE/BLACK - Left Front Speaker -
- RED - Illumination + (Optional LED Light Ring Required)
- BLACK - Illumination -



(Continued on next page)

## MOUNTING THE KICK PANEL SPEAKERS (Continued)

### STEP 6 – PLACE PASSENGER SIDE KICK PANEL

Place passenger side kick panel pod in its location as shown in Figure 14-5. Ensure the positioning lines up with the holes you've drilled.

### STEP 7 – PUSH OUTER BOLTS THROUGH FENDER AND MOUNT DRIVER'S SIDE KICK PANEL

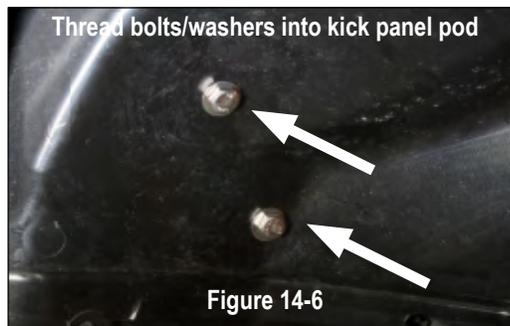
With the included hardware push (1) bolt and (1) washer through the inner passenger side fender well into the threaded insert of the driver's side kick panel pod. This leaves only the head of the bolt visible behind the tire.

Once the first bolt and washer are threaded in, insert and thread the second bolt and washer for a total of two bolts/washers attaching the kick panel pod to the passenger side fender well as shown in Figure 14-6.

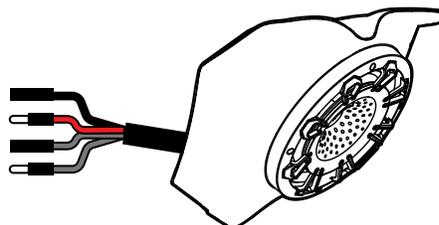
**NOTE** - Make sure that the wires behind the subwoofer enclosure on the passenger side remain accessible for connecting to the amplifier harness. Use some painters tape to keep them from getting blocked by the enclosure if necessary.

### STEP 8 – CONNECT WIRING INTO KICK PANEL

Connect wiring from your amplifier to the wire harness from the kick panel as indicated. Route the wire away from moving parts or sources of moisture and heat.



- SOLID GRAY - Right Front Speaker +
- GRAY/BLACK - Right Front Speaker -
- RED - Illumination + (Optional LED Light Ring Required)
- BLACK - Illumination -



## INITIAL TESTING

This step is to confirm that everything is working before you put the vehicle back together.

### STEP 1 – RECONNECT THE BATTERY

With the kick panel speakers wired to your amplifier, you can now reconnect the negative terminal of the negative battery cable as indicated in Figure 19-1.

### STEP 2 – TURN ON IGNITION

Turn the ignition key to the ACC position and push the PWR button on your source unit.

### STEP 3 – INITIAL CHECKS

With the system power “ON” use the list here to check the system for all of the following:

- **CORRECT LEFT/RIGHT BALANCE** - Make sure you are using the controls on the source unit to confirm “LEFT” is the left-side channel and “RIGHT” is the right-side channel.

If everything is working and producing sound, you can do any fine tuning based on your source unit and/or amplifier’s capability.

- **AMPLIFIER CROSSOVER RECOMMENDATIONS**

- If you do not have a subwoofer, leave the speakers to run full range.
- If you DO have a subwoofer, use a 60Hz high pass crossover on the amplifier connected to the kick panel speakers.



## VEHICLE REASSEMBLY

Follow along the dual amplifier audio harness and zip-tie the harness to the vehicle to assure it doesn't come loose during rides. Do not zip-tie the harness to any heat or moisture sources.

Here is an important checklist so you do not forget anything:

### **2013-2018 RZR Models**

- TIGHTEN NEGATIVE BATTERY TERMINAL FULLY
- REINSTALL SEATS
- ZIP-TIE ALL WIRING WHILE AVOIDING HEAT SOURCES OR MOVING PARTS
- REASSEMBLE AND FINALIZE ANY OTHER AUDIO SYSTEM COMPONENTS YOU INSTALLED
- REASSEMBLE TOP OF DASH
- REPLACE HOOD

### **2018.5 Turbo S and 2019+ RZR Models**

- TIGHTEN NEGATIVE BATTERY TERMINAL FULLY
- REINSTALL SEATS
- ZIP-TIE ALL WIRING WHILE AVOIDING HEAT SOURCES OR MOVING PARTS
- REASSEMBLE AND FINALIZE ANY OTHER AUDIO SYSTEM COMPONENTS YOU INSTALLED
- REASSEMBLE TOP OF DASH
- REPLACE HOOD

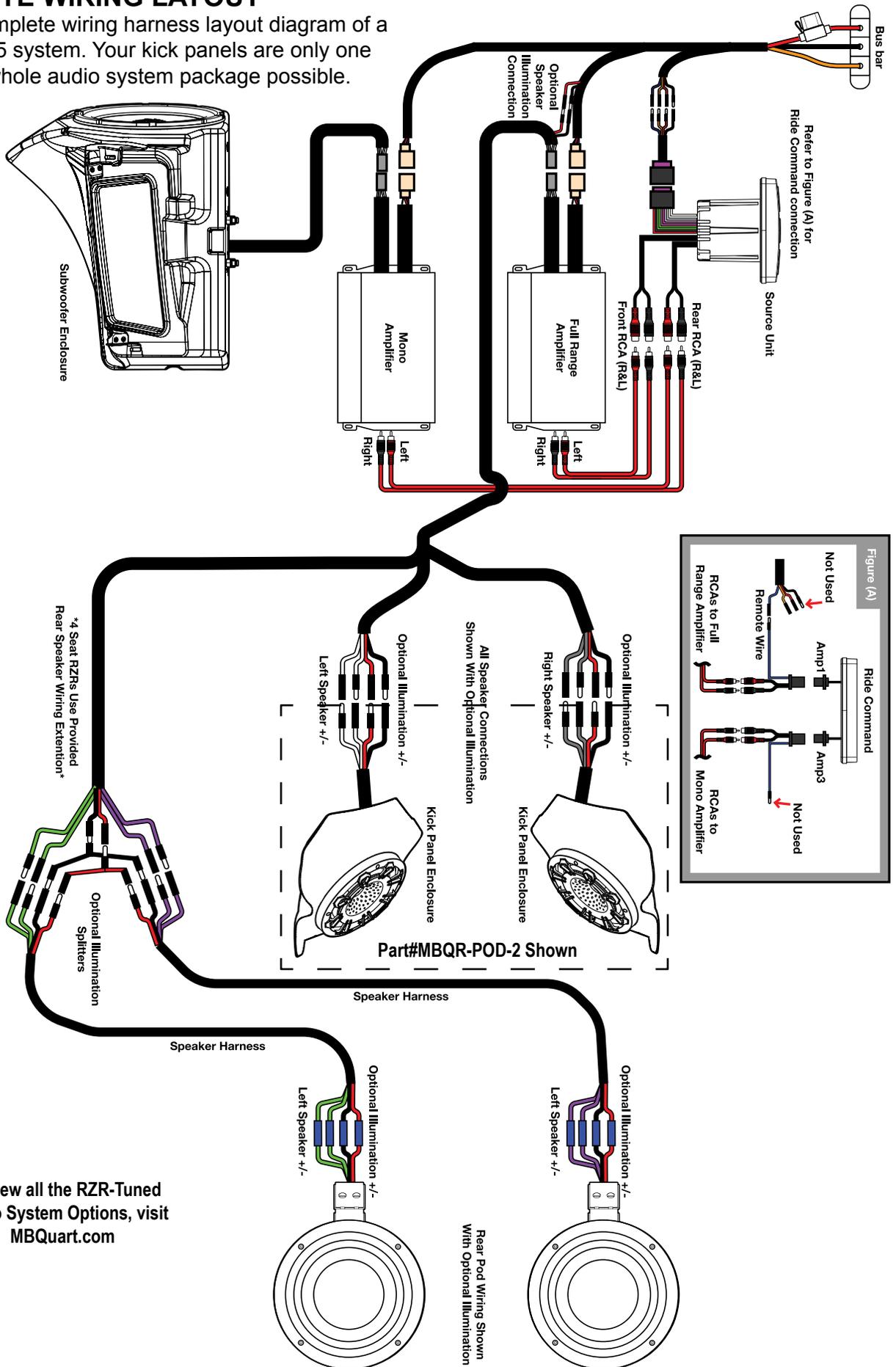
## FINAL INSPECTION

Here is a checklist to make sure your vehicle is ready to hit the trails. You should pull & tighten everything so that you know your RZR and your audio equipment are secure.

- LEFT KICK PANEL ENCLOSURE MOUNT AND WIRING SECURED
- RIGHT KICK PANEL ENCLOSURE MOUNT AND WIRING SECURED
- AMPLIFIERS MOUNTED (IF USED)
- SOURCE UNIT MOUNTED (IF USED)
- ALL WIRING NEATLY SECURED SO NOTHING IS SHOWING OR HANGING OUT
- ACCOUNT FOR ALL YOUR TOOLS

## COMPLETE WIRING LAYOUT

This is a complete wiring harness layout diagram of a RZR Stage 5 system. Your kick panels are only one part of the whole audio system package possible.



To view all the RZR-Tuned Audio System Options, visit [MBQuart.com](http://MBQuart.com)





#### FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a mobile installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complied with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

#### WARRANTY

Maxxsonics USA Inc. warrants this product, to the original consumer purchaser, to be free from defects in material and workmanship for a period of one (1) year from the date of purchase. Maxxsonics USA Inc. will, at its discretion, repair or replace defective products during the warranty period. Components that prove to be defective in materials and workmanship under proper installation and use must be returned to the original authorized Maxxsonics USA Inc. retailer from where it was purchased. A photocopy of the original receipt must accompany the product being returned. The costs associated with removal, re-installation and freight are not the responsibility of Maxxsonics USA Inc. This warranty is limited to defective parts and specifically excludes any incidental or consequential damages connected therewith. To view the full warranty, please visit the website.

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