



Installation Instructions

Model:	Polaris Ranger
Description:	Stage 5 Install
Part Number:	MBQRG-STG5-1 & MBQRG-STG5-RC-1
Assembly Time:	180 Min (3-Hours)

Before you begin, read through these instructions and check that all parts are present. Always disconnect negative battery terminal prior to installation. Please note that MB Quart cannot assume any responsibility for damage resulting from incorrect installation.

Parts List		
No.	Component Name	Qty
1	GMR-LED w/Housing (MBQRG-RAD-1) (MBQRG-STG5-1 Only)	1
2	6.5" Dash Speakers (MBQRG-FPOD-1)	2
3	10" Subwoofer w/Enclosure (MBQRG-SUB-1)	1
4	6.5" Rear Pod Speakers (MBQRG-RPOD-1)	2
5	MBQRG-ACC-1	1
6	NA2-400.1 Amplifier	1
7	NA2-400.2RC Amplifier	1

Tools Required	
1	Bojo Tool
2	Panel Clip Pliers
3	1/8" Drill Bit
4	Drill
5	T25 Torx Bit
7	10mm Socket
8	Ratchet

Dash Disassembly

- Remove hood by turning two latches



- Remove two push pins from center cup holder



- Remove two push pins from instrument cluster. Remove and disconnect connector on back



Dash Disassembly

- Open upper glove box and then remove four T20 Torx screws. Then lift assembly out of vehicle



- Remove three push pins on the passenger side dash



- Remove three push pins on the driver side dash



Dash Disassembly

- Remove six push pins from the front of the dash



- Lift up on the dash and remove from vehicle



Harness Installation

- Remove four push pins from the passenger side center console



- Remove five push pins from the driver side center console



- Lift center console upward starting at cupholder and remove from vehicle



Harness Installation

- Install front speaker wires placing the four pin connector in the middle of the dash and extending the white wires to the driver side of the dash and the gray wires to the passenger side of the dash



- Reaching from the top of the driver side of the dash, pass the white wires through the top of the pocket and insert the grommet



- Reaching from the top of the passenger side of the dash, pass the gray wires through the top of the pocket and insert the grommet



Harness Installation

- On the radio harness pass the power connection through the grommet toward the front of the vehicle and plug into an open port on the pulse junction block



- Pass the amplifier power harness from the front of the vehicle into the cab through the grommet

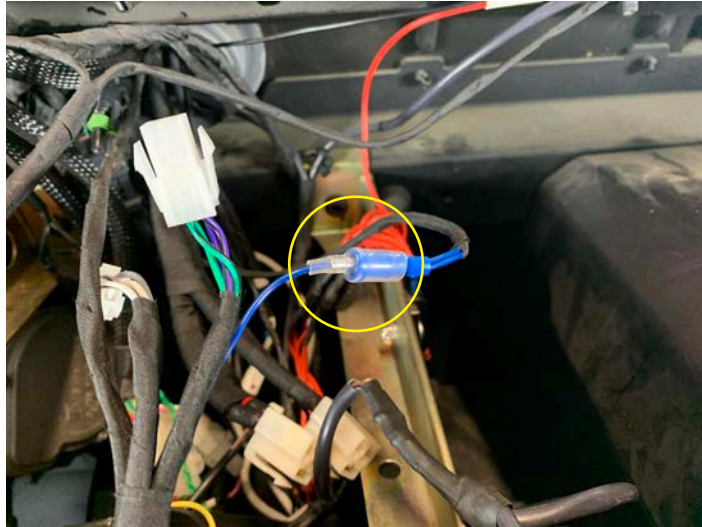


- Connect the power and ground wires by removing the 10mm nuts on the pulse junction block

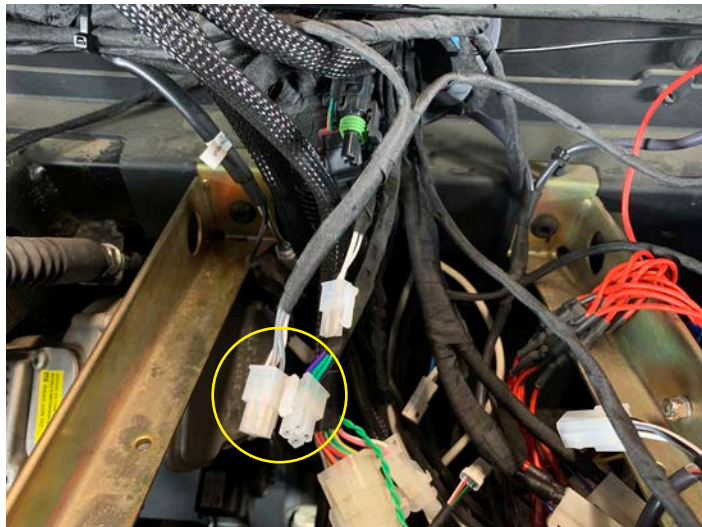


Harness Installation

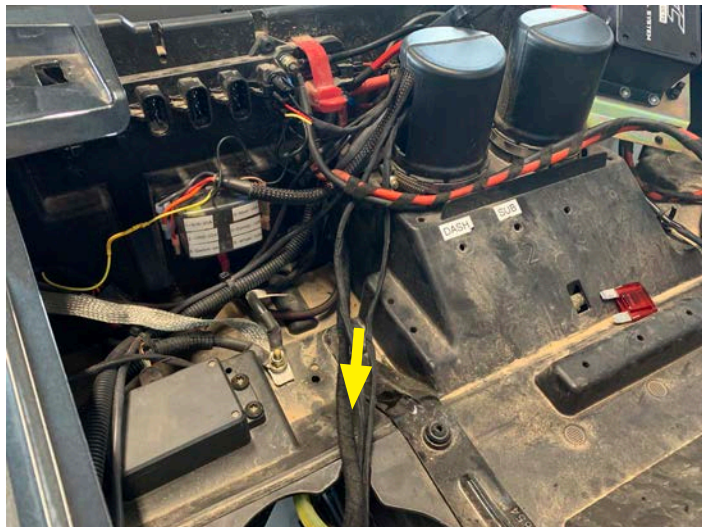
- Connect the blue wire from the amplifier harness to the blue wire on the radio harness



- Route the rear speakers and subwoofer extension harness from the middle of the dash out the grommet toward the front of the vehicle

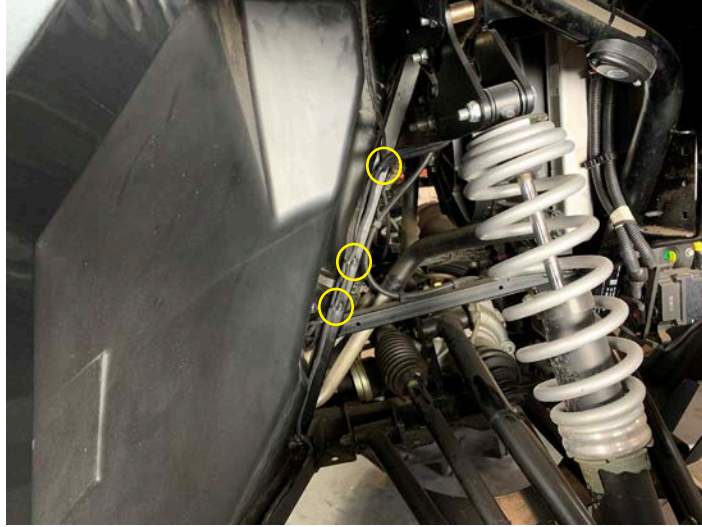


- Pass the wires from the grommet to the radiator cap opening (if other wire present zip tie along)



Harness Installation

- Pass the wiring around any moving parts and down the frame toward the center console and secure in place with zip ties



- Run along air intake securing with zip ties to the power bus bar harness



- Route subwoofer and rear speaker harness to the passenger side of the battery



Harness Installation

- Drill 1.25" hole and pass subwoofer connection through hole and place grommet



- If four-seat vehicle, connect extension harness to route rear speaker wires to the back of the vehicle if installing rear pods jump to that section



- Drill a 1" hole on the top of the glove box to install the USB/AUX Port (**PSAP-18**)

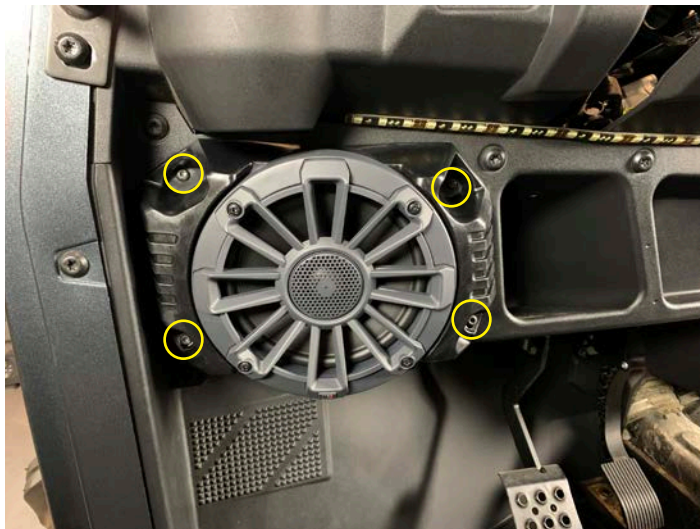


Dash Speaker Installation

- Drill four 1/8" holes at the noted dimples on driver side



- Connect the speaker wires to the speaker and then install the speaker and grill assembly with four high-low torx screws and washers using a T25 Torx bit



- Repeat same steps on the passenger side

Amplifier & Amplifier Plate Installation

- Install the NA2-400.2RC and NA2-400.1 amplifier as pictured with four M4 Philips screws, washers, and lock nuts



- Adjust the NA2-400.2RC amplifier gain as pictured

Note

Turn Gain all to the last "L" on Level



- Adjust the NA2-400.1 amplifier's gain and crossover settings as pictured

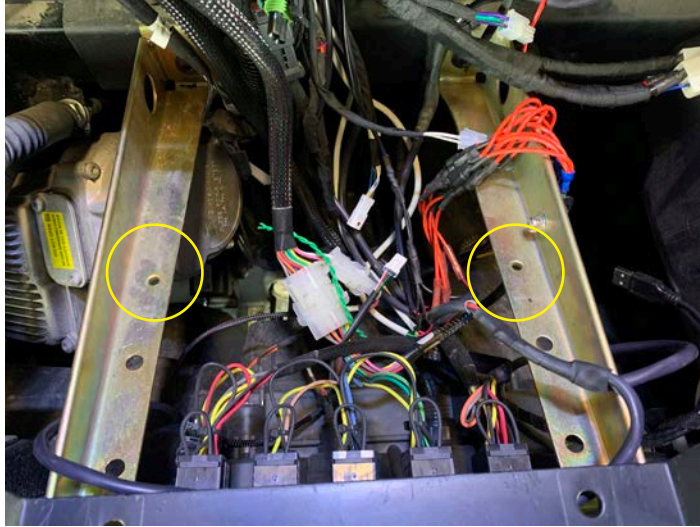
Note

Turn Gain all to the last "L" on Level HPF to 100Hz going just past "P" on LP LPF Subsonic set to 35Hz going to "S" on SubsonicBoost 0dB

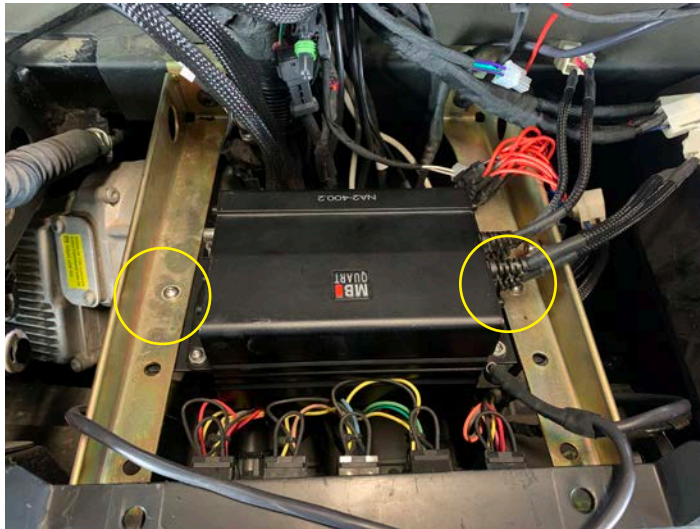


Amplifier & Amplifier Plate Installation

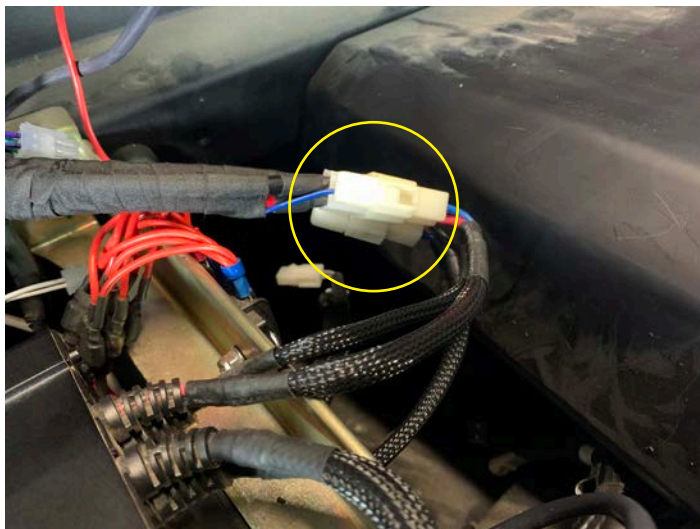
- Passing amplifier plate between dash supports and mounted below dash supports



- Raise the plate and install two 10-32 x 3/4" bolt and washer into amplifier plate

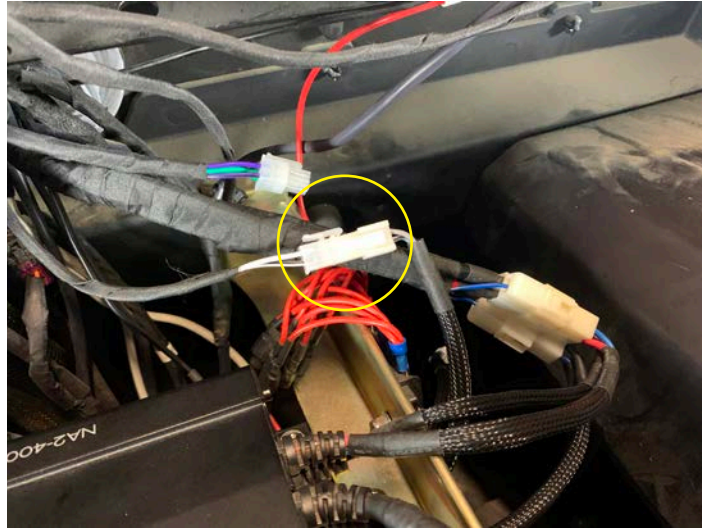


- Plug in the amplifier harness connectors to the amplifiers

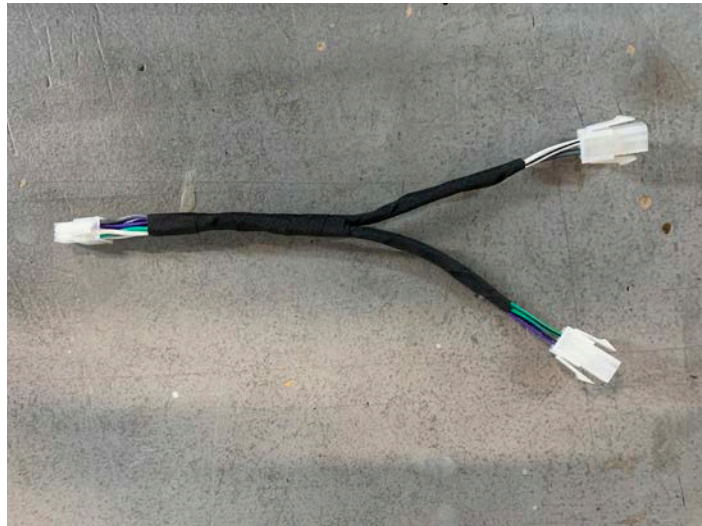


Amplifier & Amplifier Plate Installation

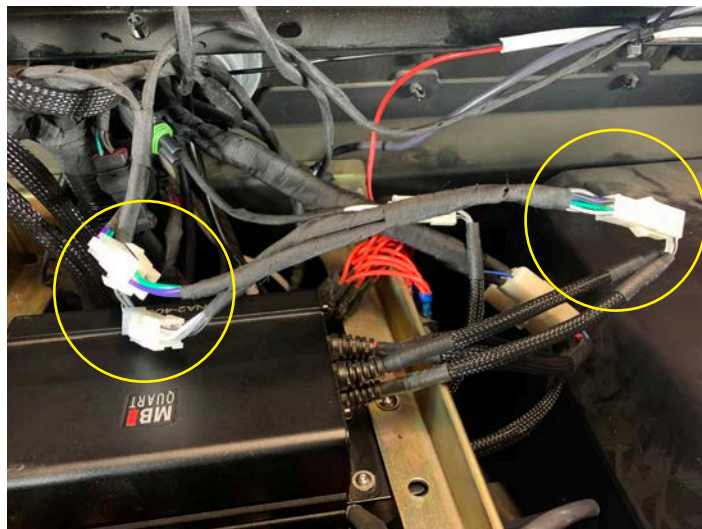
- Connect the subwoofer extension harness to the NA2-400.1 amplifier harness



- Connect the speaker y-harness to the front and rear speaker harnesses



- Connect into the NA2-400.2 amplifier



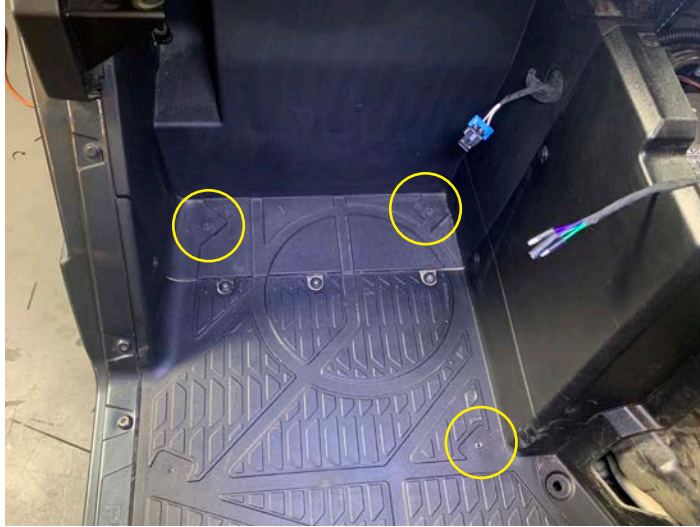
Amplifier & Amplifier Plate Installation

- Connect the two RCAs to each of the amplifier (the red connector goes into the RCA input closest to the amplifier's mounting feet)



Subwoofer Installation

- Drill three 1/8" holes at marked indents in floor (only drill deep enough to get through first layer of material)



- Place subwoofer enclosure under passenger seat and secure with three high-low T25 Torx screws and washers

Note

Use two picks to align enclosure with holes in vehicle and also use provided bit extension to reach rear screw where the arrow is



- Connect the subwoofer enclosure harness to the subwoofer extension harness



Rear Speaker Pod Installation

- Attach the left and right harness to bullet connectors in the center console



- Mark a drill location (7.5" from middle seat belt bracket and 2" down from rear lip)



Rear Speaker Pod Installation

- Drill 1/2" hole and then pass rear speaker wire from battery compartment out to inside of passenger cabin



- Pass speaker wires through grommet and insert grommet into the drilled hole



- Place two adhesive channels on passenger side under the seat on the metal frame



Rear Speaker Pod Installation

- Route passenger side violet speakers wire-in channels toward passenger door, then route upward toward the ROPS (avoiding any moving objects), secure, and attach one adhesive channel on ROPS



- Place one adhesive channel on driver side under seat on frame



- Route driver side green speakers wire-in channels toward driver door. Then route upward toward the ROPS (avoiding any moving objects), secure, and attach one adhesive channel on ROPS



Rear Speaker Pod Installation

- Position bracket on the ROPS and secure with four M6 bolts with a 5mm Allen wrench and 13mm socket (same process on passenger and driver side)



Note

Inside bracket should have groove facing toward center of vehicle



- Install pods with four M6 cap head bolts using a 5mm Allen wrench and connect wiring



Assembly & Dash Radio Install

- Place top of dash in vehicle



- Install three push pins on driver side of dash



- Connect harness and place the instrument panel in location and then insert two push pins



Assembly & Dash Radio Install

- Install three push pins on passenger side dash



- Install upper glove box with four T20 Torx screws



- Install six push pins on the front side of the dash



Assembly & Dash Radio Install

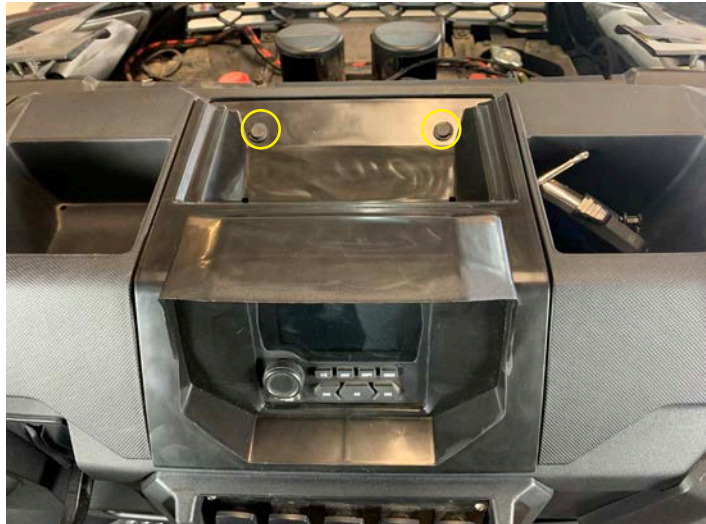
- Connect the radio harness, RCAs and USB/AUX (PSAP-18) harness to the radio

NOTE

If you have a Ride Command you will connect the RC1-2RCA-F to the "AMP2" (which will supply signal to the NA2-400.2RC)
Connect another RC1-2RCA-F to the "AMP3" (which will supply signal to the NA2-400.1)



- Install the radio assembly and attach with two push pins



- Place center console in the vehicle sliding forward then down



Assembly

- Insert four push pins on passenger side console



- Place five push pins on driver side center console



- Place battery cover into place



Assembly

- Turn vehicle and radio on and enjoy the music





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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