



Assembly Instructions

Model:	Polaris Ranger 4P
Description:	Polaris Ranger Audio Roof
Part Number:	MBQRG4-S14R
Assembly Time:	90 Minutes (1.5-Hours)

It is always to best practice disconnecting your negative battery terminal prior to any electronics installations to avoid damaging the vehicle's electrical system. Before you begin, read through these instructions and check that all parts are present.

This installation may require special skills and tools to complete. It may be necessary to seek a trained installation technician to complete this installation. Please note that MB Quart cannot assume any responsibility for damage resulting from incorrect installation.

Parts List		
No.	Component Name	Qty
1	Front Roof	1
2	Rear Roof	1
3	Radio and Dash Assembly	1
4	PSAP, USB / AUX Port	1
5	Antenna Kit	1
6	Fused Power Harness	1
7	8" Zip Tie	5
8	Pulse Power Harness	1
9	M8 x 60mm Hex Bolt	4
10	M8 x 35mm Wash	8
11	M8 x 30mm Rubber Washer	8
12	M8 Nylon Locking Nut	4
13	M6 x 25mm Hex Bolt with Thread Lock	4
14	M6 x 30mm Washer	4
15	M6 x 25mm Rubber Washer	4
16	50mm x 50mm x 1320mm Foam	1
17	25mm x 25mm x 200mm Foam	2
18	25mm x 25mm x 600mm Foam	1
19	25mm x 25mm x 1660mm Foam	2
20	M8 x 70mm Hex Bolt with Thread Lock	4
21	Fir Tree Zip Tie	2
22	Split Grommet	1
23	Center Clamp with Pad	4

Tools Required	
1	Bojo or Panel Tool
2	T20 T25 T27 Torx Driver
3	T40 Torx Driver
4	9/16" Drill Bit
5	Drill
6	4mm Allen Wrench
7	10mm Socket

Disassembly Instructions

- Remove two sections of front headliner. Depending on year and model, you might find push pin clips, dome lights, and T25 or T40 bolts.



- Once all fasteners are removed from the rear headliner, pull the front edge down toward the seats and remove headliner from the vehicle.



- Remove two sections of front headliner. Depending on year and model, you might find push pin clips, dome lights, and T25 or T40 bolts.



Disassembly Instructions

- Unclip rear view mirror harness from roof panel.



- Disconnect front door harnesses. Unclip (4) fir trees that hold the door harness to the roof. This will be re-used later if you have power windows.



- Disconnect power connector behind driver side seat. Lift yellow clip to unhook connector.



Disassembly Instructions

- Disconnect power and ground terminals from Pulse network module using a 10mm socket. Disconnect remaining plugs unclip (2) metal clips holding harness to roof.



- Pull harness out of rubber channel on rear pillar and remove from vehicle or tuck behind rear seat panel.



- Remove (1) T27 bolt from front driver and (1) T27 bolt from passenger side of roof. Remove the speed clip under the roof (as it will not be needed anymore).



Disassembly Instructions

- Remove (4) T40 bolts from rear of roof.



- Pull back on rear bottom section of roof while lifting roof and resting on top of ROPS. Then push roof forward and remove.



- Remove Battery tray under front seat.



Disassembly Instructions

- Remove (4) clips from passenger side of front console and (3) clips from driver side. There are (2) hidden clips in center console and if you have the Northstar model - disconnect front AC hose. There is (1) clip hidden behind the fuse holder near the battery.



- Remove hidden clip from behind OEM Fuse holder.



- Lift rear console and disconnect power wort connectors. Remove console from vehicle.



Disassembly Instructions

- Remove (4) clips from passenger side of front console and (3) clips from driver side. There is (2) hidden clips in center console & if Northstar disconnect front AC hose There is (1) clip hidden behind the fuse holder near the battery.



- Remove (2) hidden clips from behind front floor console cup holders and disconnect AC hose if it is a Northstar.



- Disconnect air vents from front console then remove front floor console from vehicle.



Disassembly Instructions

- Remove front console.



- If you have a windshield, remove (3) T40 bolts and (2) push pin clips in the cup holder panel and set panel aside.



Installation Instructions

- Install foam gasket on top of ROPS. Double thick foam goes across the front bar.



- Press side foam up against front foam and run it along the ROPS toward the back.

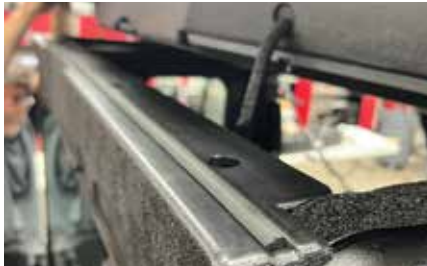


- Side foam should roll over the back of the ROPS by a couple of inches.



Installation Instructions

- Place rubber gasket in groove on rear cover panel. Loosely install with (4) M6x25 bolts with metal and rubber washers that came in the roof hardware package. Then set rear roof section on top of vehicle.



- Set front section of roof onto vehicle. Connect front and rear roof harnesses together in middle of combined roofs.



- Bolt front of roof loosely through the lightbar rear bracket hole.

NOTE

Tilt light forward and down to make it easier to insert bolt.



Installation Instructions

- Bolt front and rear sections together using supplied hardware and bracket that goes around the center ROPS bar.



- Bolt rear roof section with (4) bolts into the rear cover panel and rear ROPS.



- Make sure roof panels are centered properly and go back and tighten all mounting hardware.



Installation Instructions

- Run main audio roof harness down the passenger rear ROPS pillar and secure with (2) fir tree zip ties in the holes in the ROPS. Leave zip ties loose so you can adjust the wire length during install. You will tighten these later.



- Run harness down by side of seat and behind the carpet panel that is visible between the seat back and seat bottom. Run it toward the center of vehicle.



- Reach up behind battery and feel for a good spot, between the top and bottom seat pads, to drill a 1 1/8"(29mm) hole to pass the wire harness through.



Installation Instructions

- Carefully route the wires through the hole and install the grommet after all wires are through.



- Cover wire and hole with OEM carpet panel.



- Run wire through battery compartment, along center of vehicle into front center console. Wire tie harness factory harness on the white tape marks.



Installation Instructions

- Run harness along factory wiring all the way up to the firewall. Zip tie to white tape marks.



- Run harness through firewall on the driver side of opening. Be careful when pulling connector ends through the firewall. Take your time and wiggle them as you pull through.



- Look in between the front driver tire and suspension - you will see your harness poking out.



Installation Instructions

- Pull the harness along the firewall and over the brake booster (avoiding all moving parts). Zip tie the harness to a vehicle harness or brake line away from moving parts. You will send it up through the hole where you can see the radiator fluid reservoir.



- Bring harness up through hole near reservoir (being careful with connector ends). Zip tie to a harness under hood so it doesn't fall back down the reservoir hole.



- Fold over main harness and push it through the large grommet in firewall that goes into the radio cavity. Carefully bring all the connectors into the radio cavity from the under hood area.



Installation Instructions

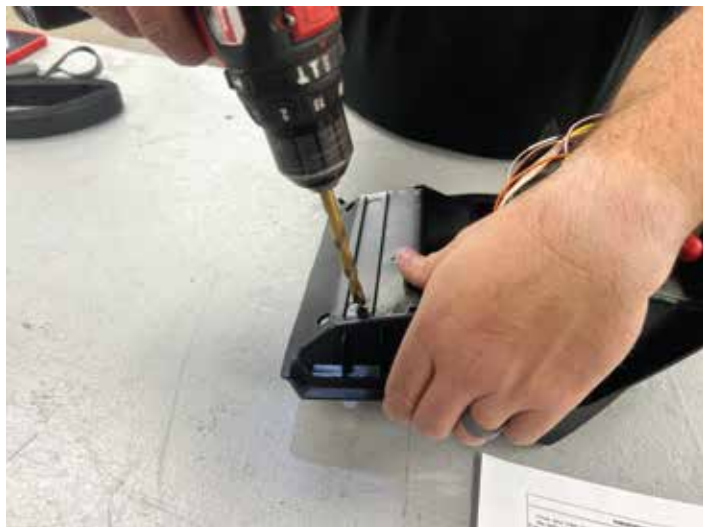
- Once your main harness is in the dash cavity, take your radio harness and send the Pulse wires through the same grommet out to the under hood area.



- Connect radio harness pulse connectors to the pulse adapter and plug it into the Pulse network module.

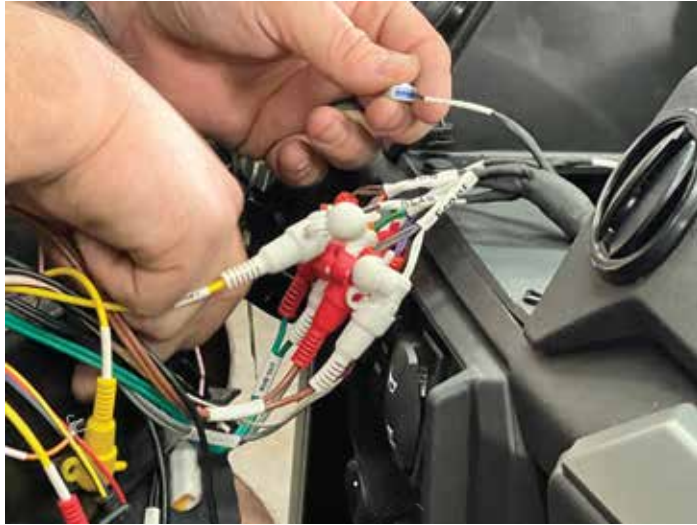


- If you have a windshield - use a 1/8" drill bit to pre-drill the holes in the bottom of the radio housing that line up with the windshield holder. After enlarge the holes with a 19/64th drill bit.



Installation Instructions

- Install radio. Connect the harness that you ran in the previous steps to the connections on the back of the radio.



- Connect fuse holder to main power wire. Now connect power and ground wires to battery. Now test the system.



- Now follow the instructions in reverse and reinstall all panels that were removed from the vehicle.

FCC Notification

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. If not installed and used in accordance with the instructions, this equipment may cause harmful interference to radio communications. 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 a minimum distance of 20cm between the radiator and your body.



WARRANTY

Maxxsonics, LLC. 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, LLC. 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, LLC. 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, LLC. 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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