

Assembly Instructions

Model:	2018-2023 Jeep JL (Wrangler) & JT (Gladiator)
Description:	Front, Rear, Top Dash Speaker Install with Amplifier
Part Number:	MBQJ-STG4A-1 & MBQJ-STG4AH-1
Assembly Time:	120 Min (2-Hours)

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

Parts List		
No.	Component Name	Qty
1	6.5in Midbass Speaker Kit (JW1-116E)	2
2	6.5in Lower Dash Speaker Enclosure (JE1-116)	2
3	3.5in Coaxial Speakers (JC1-108)	2
5	Speaker Harness	2
6	NA2-400.2RC	2
7	MBQJ-ACC-1	1
8	AAMPPRO OEM Interface (MBQJ-STG4A-1 Only)	1

Tools Required	
1	Bojo or Panel Tool
2	Philips Screwdriver
3	8, 10, 13mm Socket
4	Ratchet

Dash Disassembly

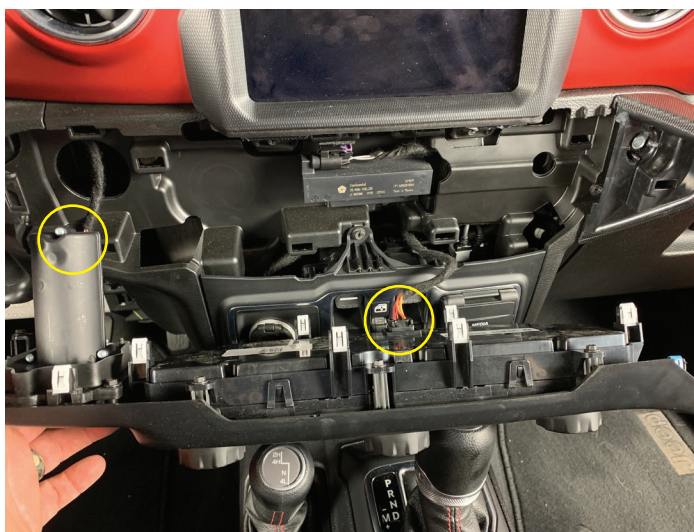
- Unclip and remove panel below the steering column



- Remove (2) Phillips screws



- Unclip, unplug, and remove the climate control panel



Dash Disassembly

- Remove (2) Phillips screws securing the radio trim panel, then unclip and remove



- Remove (1) Phillips screw securing the front dash pad, carefully unclip and remove by pulling forward toward the front seats



Dash Disassembly

- Carefully unclip the instrument panel shroud along the bottom and remove



- Unclip the lower steering column shroud and move toward steering wheel



Dash Disassembly

- Unclip and remove the panel on the side of the dash



- Remove (5) Phillips screws that are exposed

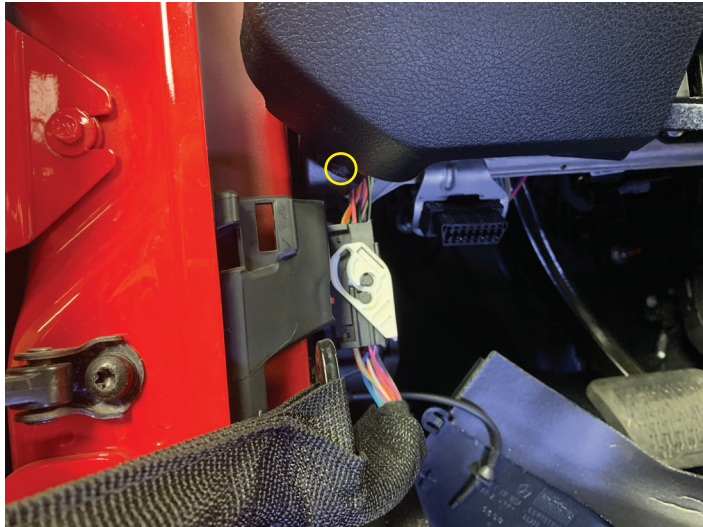


- Unclip kick panel cover

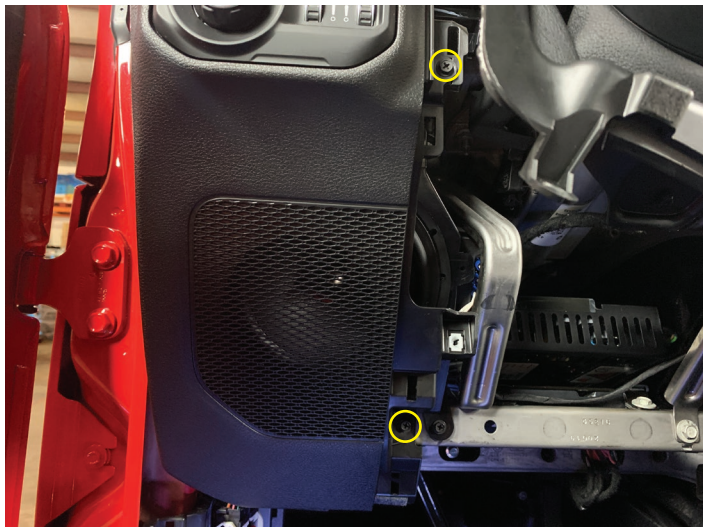


Dash Disassembly

- Remove (1) Phillips screw from lower left dash



- Remove (2) Phillips screws near steering column

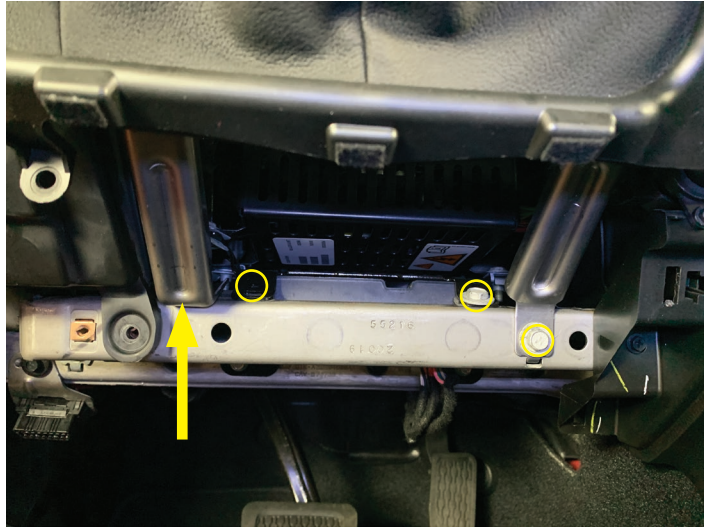


- Remove (2) Phillips screws on the top of the left dash then unclip and disconnect wiring on back of light switch to remove panel from vehicle

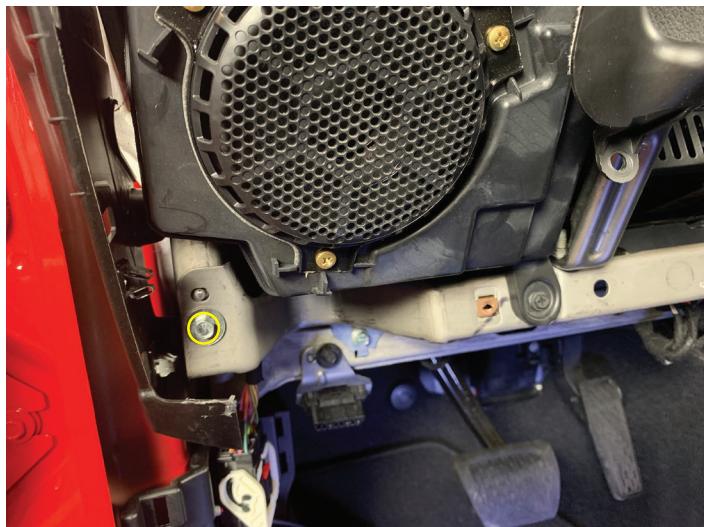


Lower Speaker Removal

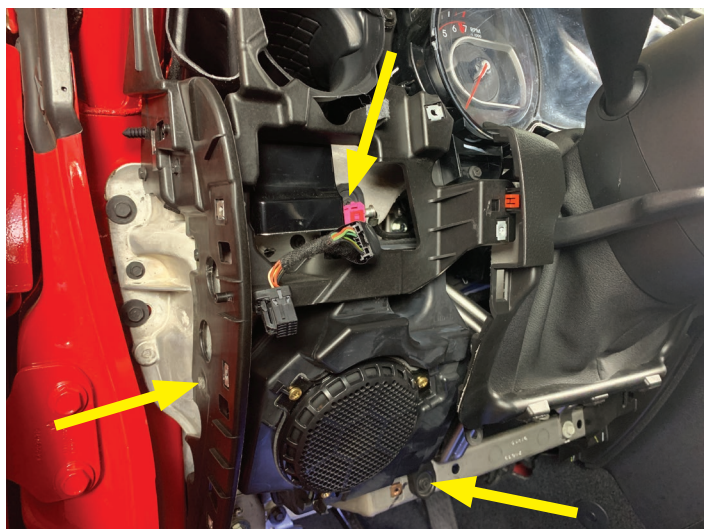
- Remove (4) 10mm bolts below steering column. (one is hidden behind the cross brace behind the left down support)



- Remove (1) 8mm bolt below the speaker and this will free the lower support brace to aid in the removal of the speaker enclosure

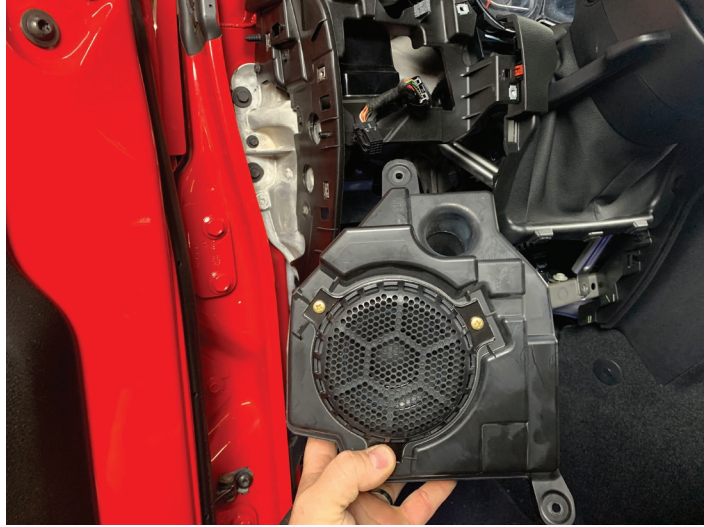


- Remove (3) Phillips screws securing the speaker enclosure



Lower Speaker Removal

- Disconnect harness from the enclosure and module mounted on the back side, then remove from vehicle



- Remove the module from the OEM enclosure



Dash Disassembly

- Install the module on the new enclosure using the OEM hardware and install the speaker pod back into the dash.



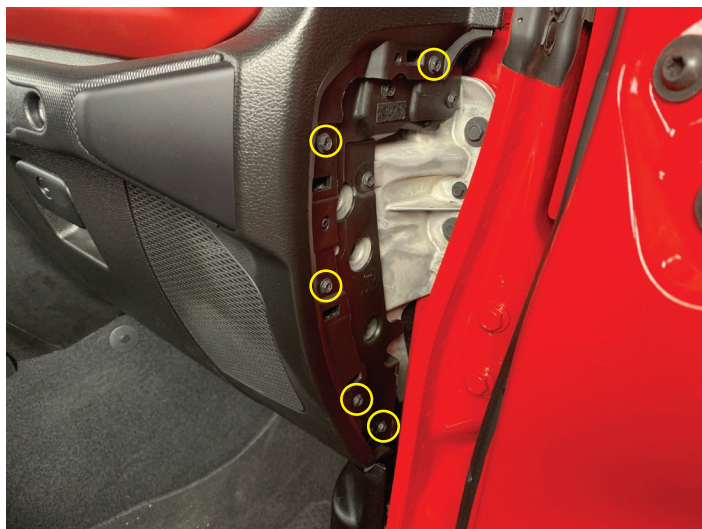
Now move over to passenger side to remove front dash speakers.

Dash Disassembly

- On passenger side remove (4) Phillips screws



- Unclip and remove the panel on the side of the dash



Dash Disassembly

- Using a panel tool carefully remove the grab handle cover (starting on the left)



- Remove (2) 10mm bolts securing the grab handle and set handle aside



- Unclip the airbag cover panel



Dash Disassembly

- Remove (2) Phillips screws that have been exposed



- Remove glove box by opening and lifting the upper tab and removing the latch on the left side

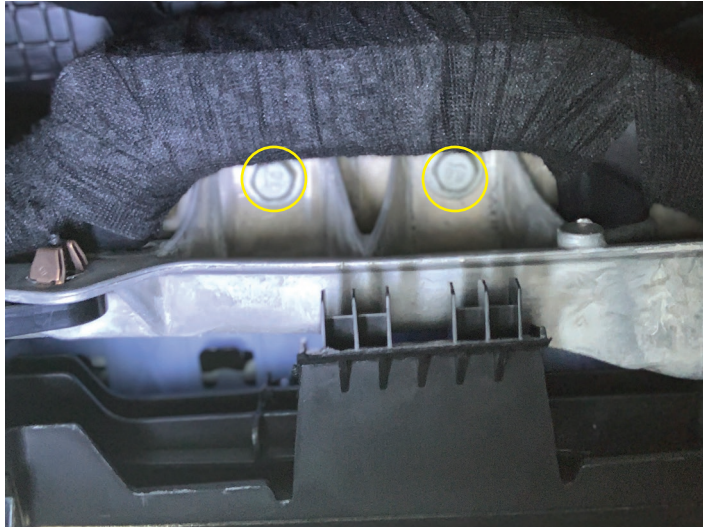


- Remove three Phillips screws that have been exposed



Dash Disassembly

- Looking in the glovebox cavity up high, remove two 13mm bolts securing the back of the passenger side airbag

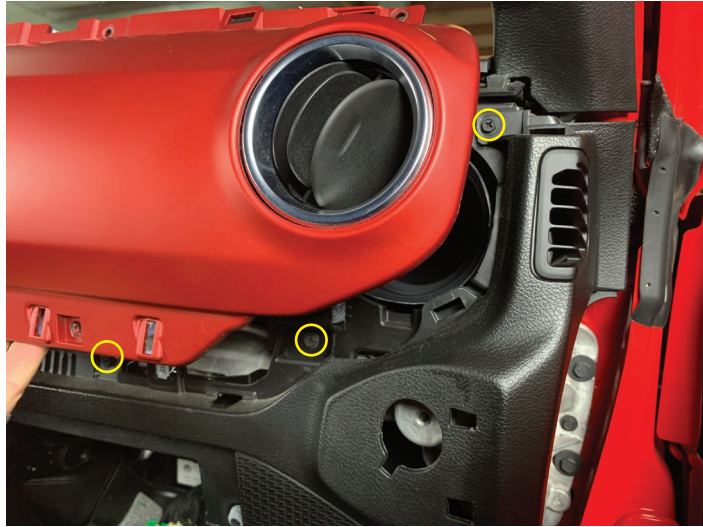


- Carefully unclip the air bag. (this does NOT need to be removed from the vehicle)



Dash Disassembly

- Lifting the airbag slightly will expose (5) Phillips screws that need to be removed



Dash Disassembly

- Remove (3) Phillips screws holding the passenger speaker enclosure, then disconnect wires and remove from vehicle

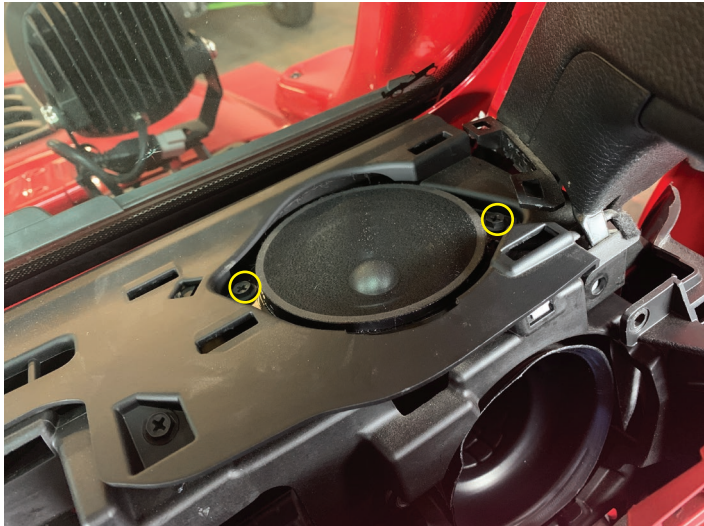


Upper Speaker Replacement

- Unclip and remove dash grill



- Remove (2) Phillips screws, disconnect wiring and remove speaker from vehicle



- Install new speaker enclosure and secure with (3) Phillips screws



Upper Speaker Replacement

- Install new speaker enclosure and secure with (3) Phillips screws



- Connect the speaker enclosure to the wiring

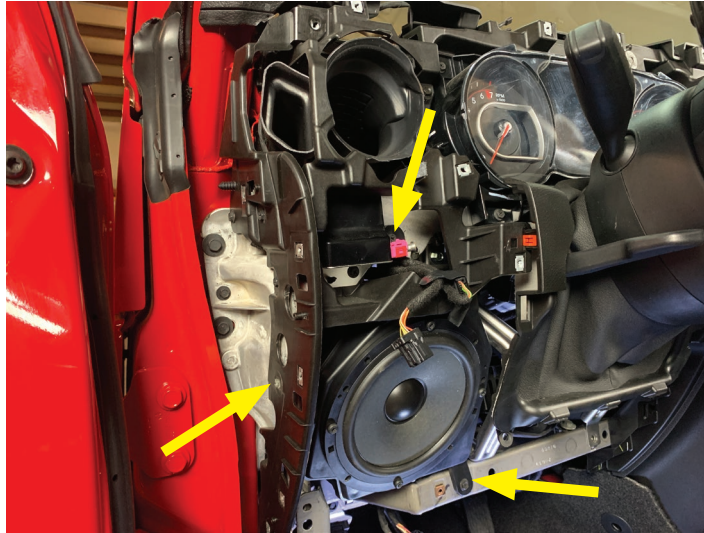
Note – If just replacing the pods, but not adding amplifiers, then you will connect to OEM plug, but if you are adding amplifiers, then you will connect to the new harness.

Also, if replacing the upper dash speaker, then pass the other harness from pod up to top dash location

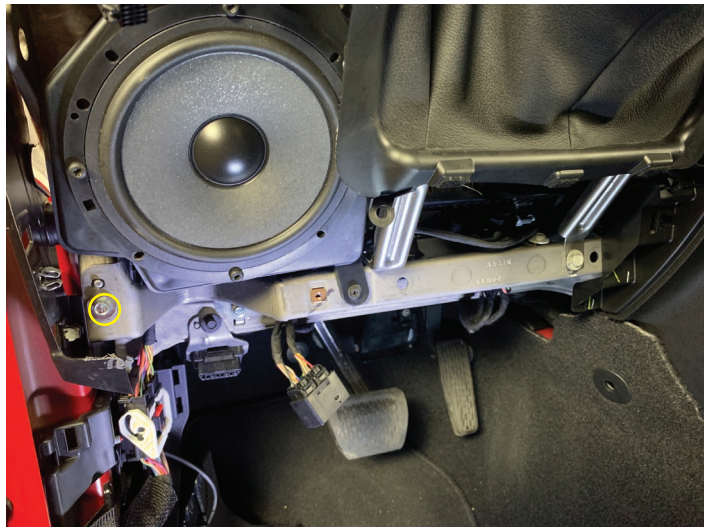


Lower Speaker Install

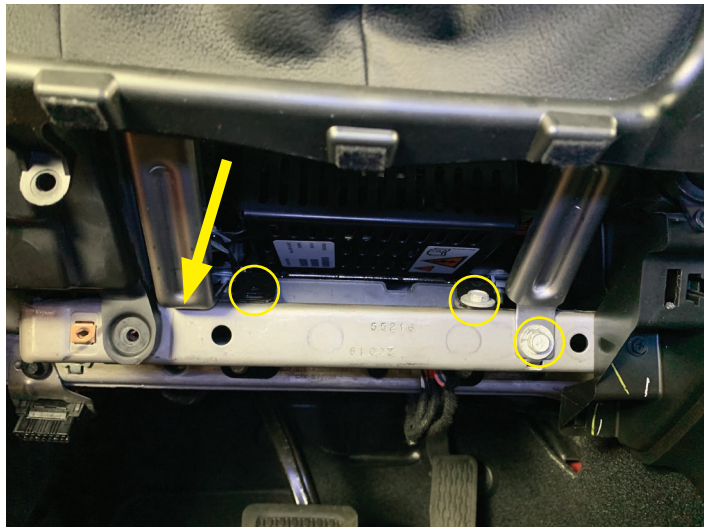
- Install (3) Phillips screw to secure the enclosure



- Install (1) 8mm bolt below the speaker



- Install (4) 10mm bolts below steering column. (one is hidden behind the cross brace behind the left down support)



Upper Speaker Replacement

- Install speaker with (2) Phillips screws



- Clip top dash grill into place



Disassembly

- Remove (5) Phillips screws from center dash/screen area



- Unclip lower center console and move toward rear of vehicle

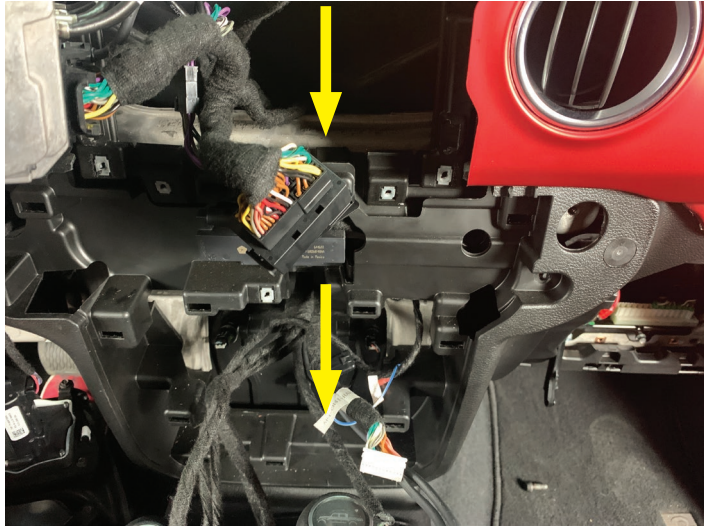


- Disconnect large main harness connector on back of radio screen. Then connect the PAC Audio T-Harness into the radio and the OEM connector into the T-Harness. (for more information on the PAC Audio interface and wiring please refer to the instructions provided in the interface box)



Disassembly

- Route T-Harness pigtail from radio pocket to lower console behind metal brace



- Continue routing pigtail harness toward glovebox opening (this will be where the main control box will be hidden)



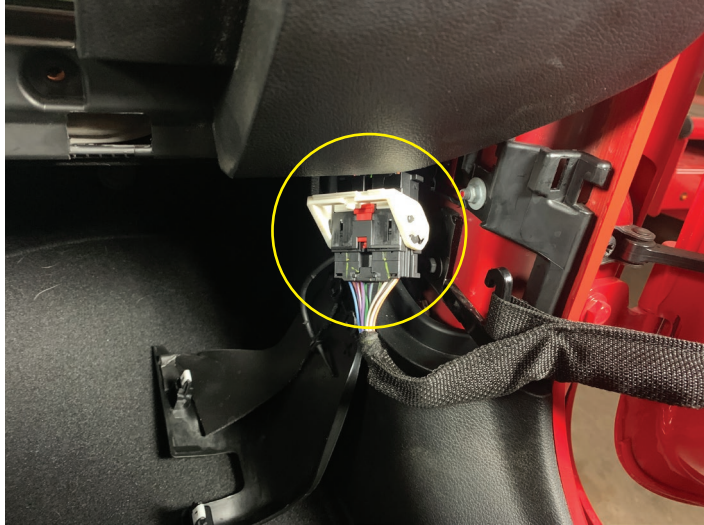
- Unclip passenger kick panel cover



Disassembly

Step 7

- Disconnect passenger door harness, door strap, and 10mm nut that has been exposed



Step 8

- Unclip passenger sill cover, it is easiest starting at the rear of the door opening and moving forward, once unclipped remove from vehicle



Step 9

- With passenger seat slid all the way back remove (2) T-50 Torx bolts



Disassembly

- Slide passenger seat forward and remove (2) T-50 Torx bolts from the rear

Note

Do not remove seat from vehicle



- Remove front two roof sections (which will aid in soundbar disassembly to follow) and refer to your Jeep owner manual on removal of top



- Remove (4) T25 Torx screws from the passenger side upper roll cage cover and set aside



Disassembly

- Unclip and disconnect the dome light



- Remove (3) T-25 Torx screws from the front edge of the soundbar cover and then unclip and remove set aside

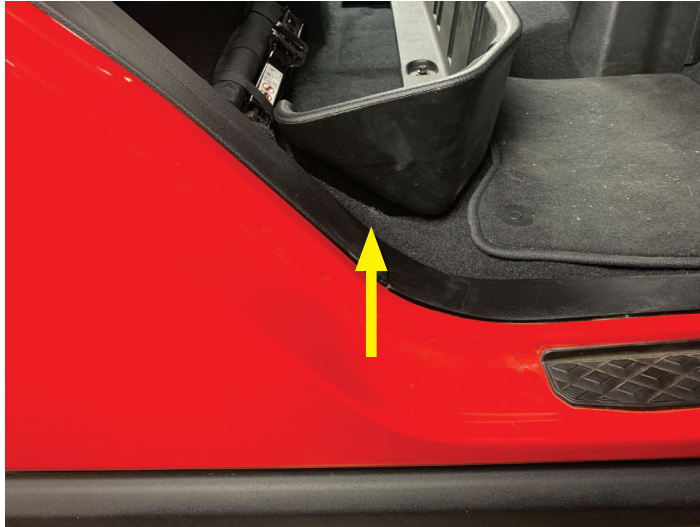


- Remove the fir tree clip, then gently unclip the T-panel, (you will NOT be removing from the vehicle just gaining enough space to pass soundbar wiring behind)



Disassembly

- Unclip rear door sill panel first two clips by moving towards the center of the vehicle



- Unclip the two covers on B-Pillar sill panel



- Unclip and remove B-Pillar sill panel



Dash Reassembly

- Disconnect OEM connector from soundbar, and connect new harness, and then zip tie along OEM wiring moving down the B-Pillar to under the passenger seat



- Clip the T-panel into place and install the first tree clip



Dash Reassembly

- Clip soundbar cover into place and install (3) T-25 Torx screws on the front edge



- Clip dome light back in place



- Place passenger roll cage cover into position and install (4) T25 Torx screws



Dash Re-assembly

- Clip the B-Pillar panel back into place sliding under rear door seal panel



- Clip (2) covers back on the B-Pillar seal panel



- Clip rear door seal panel into the B-Pillar panel



Upper Speaker Replacement

- Install front (2) roof sections and refer to your Jeep owner manual for installation of top



- Pull back carpet along center console. Then run the RCAs and remote turn on from under the seat to the glove box area along the center console, then route the wire



- replace carpet along center console

Note

You will have extra an RCA and remote wire which is dependent on what source unit you will be using



Upper Speaker Replacement

- Connect the remote wire to the PAC Audio pigtail harness, then connect the interface box to the pigtail harness, (at this point the RCAs can be plugged in and reference the labels to connect properly)



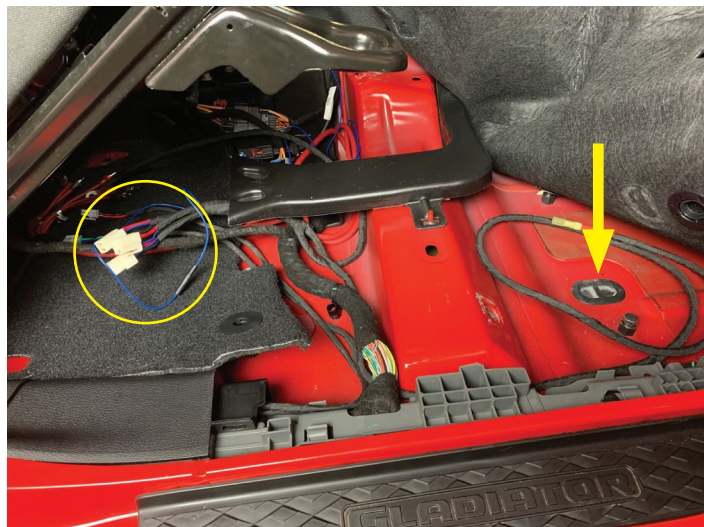
- Place the PAC Audio interface box (like pictured)

Note

If you choose to use the included knob from PAC to control the subwoofer and door chime volume, then place somewhere easily accessible in the vehicle



- Place amplifier power connections under passenger seat routing power wire along OEM wiring toward floor grommet (Also connect the remote wire at this time)



Upper Speaker Replacement

- Remove grommet



- Using a utility knife, make a small cut



- Pass the power wire through the grommet and to the underside of the vehicle, and then install the grommet back into its location



Upper Speaker Replacement

- Install the grommet back into its location



- Under the vehicle zip tie the harness along the OEM wire channel should move forward into the fender area



- Pass power wire up passenger fender near battery

Note

Pass a fish tape from top down to help pull wire up

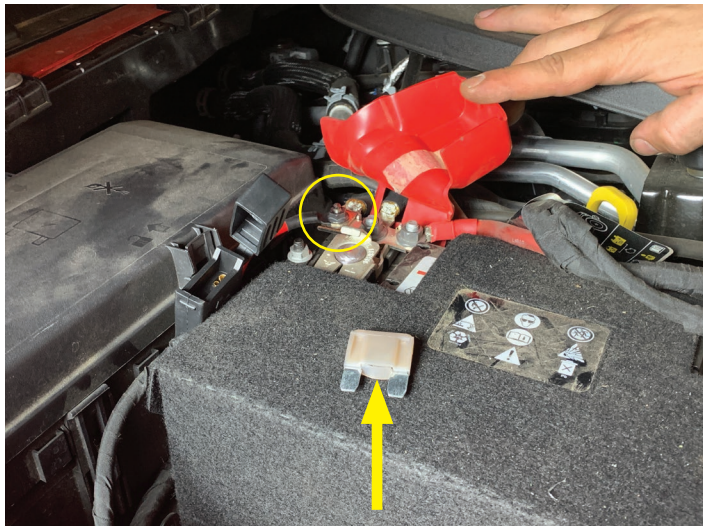


Upper Speaker Replacement

- Crimp and heat the fuse butt connector by the battery



- Remove 70A MAXI fuse and make connection to the battery with a 10mm socket



- Place front speaker wire harness under passenger seat and route wires along OEM harness from under seat to door jam routing forward to kick area (zip tie all wires in this area to OEM wiring and now carpet can be put back into place)



Upper Speaker Replacement

- Attach Black ground wire, to the factory ground stud under the Passenger seat



- Place amplifiers on mounting plate in order pictured
- Loosely start M4 screws mounting amplifiers, once all screws have been installed go back and tighten.



- Tilting the passenger side seat forward, connect the power and speaker connections to the appropriate amplifiers. Amplifier position from previous step:

Fronts - Closest to door, connects to fronts harness

Rears - Middle, connects to the rears harness

Subs - Closest to console, connects to sub harness



Upper Speaker Replacement

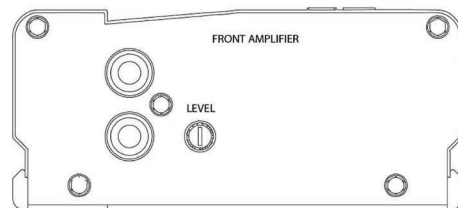
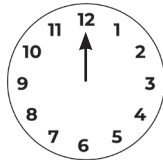
Step 49

- Lower the seat and install the (4) T-50 Torx bolts and align the rear amp plate mounts to the rear bolts, then install the RCAs into the appropriate amplifier

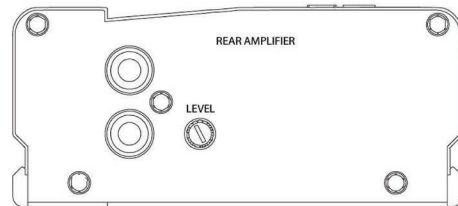
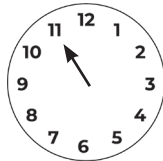


- First, make sure all levels are turned counter-clockwise until it won't turn anymore. This would be around the 7 o'clock position on a clock face. We will use this analogy to set all of the knobs moving forward.

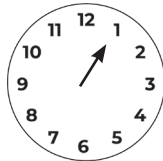
- On your Front Amplifier, turn your level clockwise until it gets to the 12 o'clock position



- On your Rear Amplifier, turn your level clockwise until it gets to the 11 o'clock position

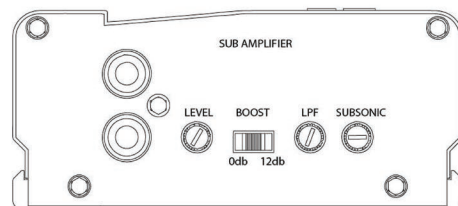
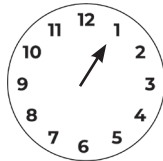


- On your Sub Amplifier, turn your level clockwise until it gets to the 1 o'clock position



- Turn your LPF level clockwise until it gets to the 1 o'clock position

- Turn your Subsonic level clockwise until it gets to the 9 o'clock position



- Turn your Boost switch to 0dB

Upper Speaker Replacement

Step 58

- Install the 70amp MAXI fuse at the battery and test the sound system.
- If everything sound great, put the vehicle back together and Enjoy!



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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