

Assembly Instructions

Model:	Jeep JL (Wrangler) & JT (Gladiator)
Description:	Front, Rear, Top Dash Speaker Install with Amplifier
Part Number:	MBQJ-STG6A-1 & MBQJ-STG6AH-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
4	6x9in Rear Coaxial Kit (JC1-169SB)	2
5	Speaker Harness	2
6	NA2-400.2RC	2
7	MBQJ-ACC-1	1
8	AAMPPRO OEM Interface (MBQJ-STG6A-1 Only)	1

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

Dash Disassembly

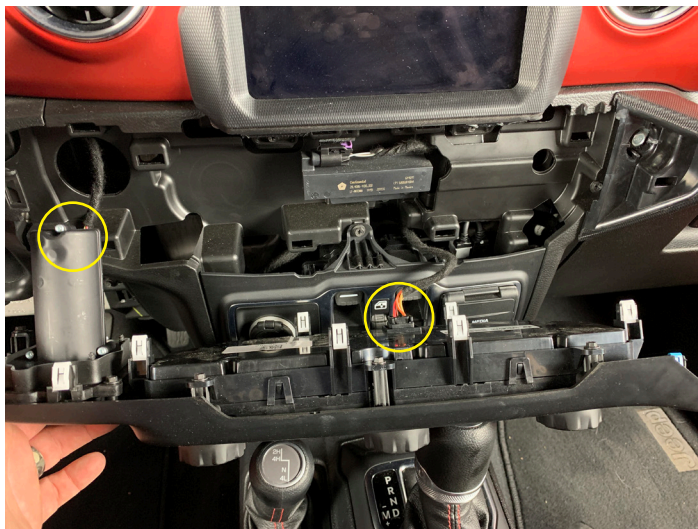
- Unclip and remove panel below the steering column



- 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

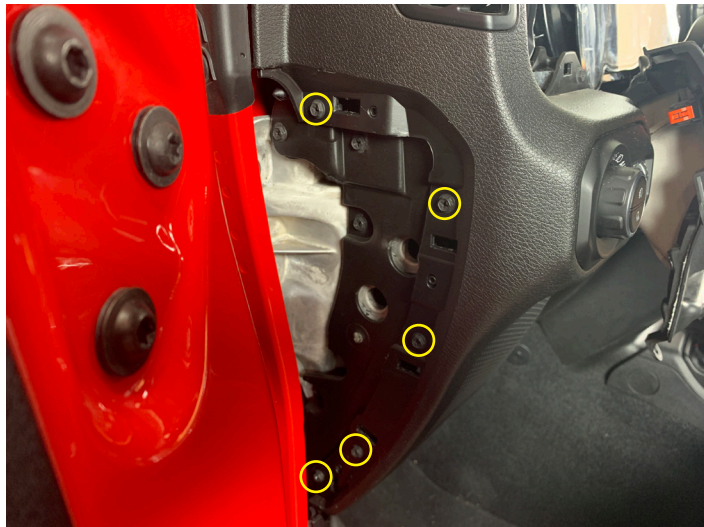


Dash Disassembly

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



- Remove (5) Phillips screws that are exposed



- Unclip kick panel cover

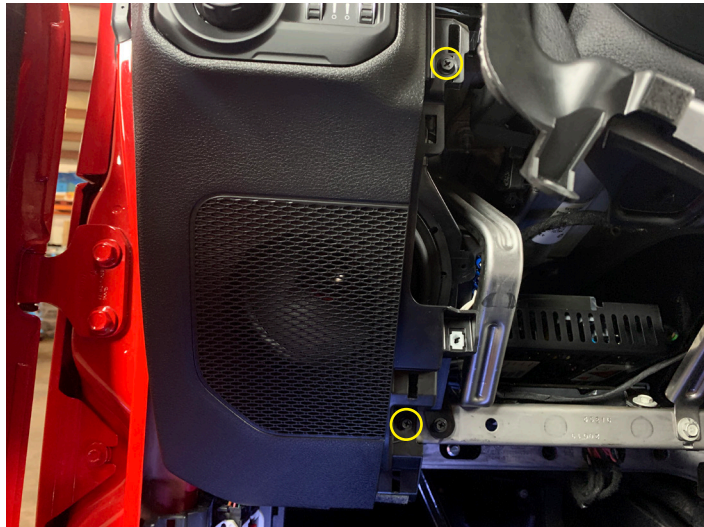


Dash Disassembly

- Remove (1) Phillips screw from lower left dash



- Remove (2) Phillips screws near steering column

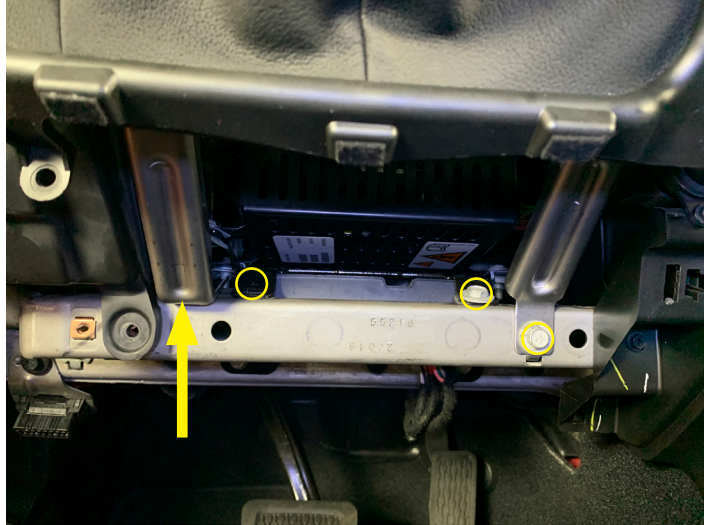


- Remove (2) Phillips screws on the top of the left dash then unclip and disconnect wiring on back of light switch to remove panel from vehicle

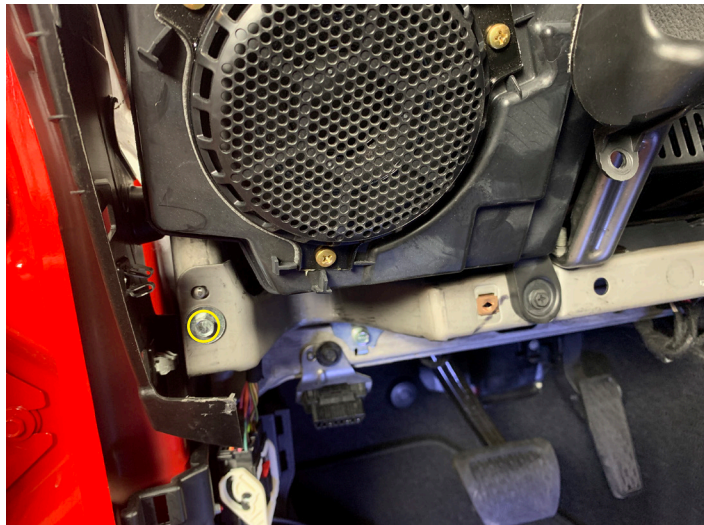


Lower Speaker Removal

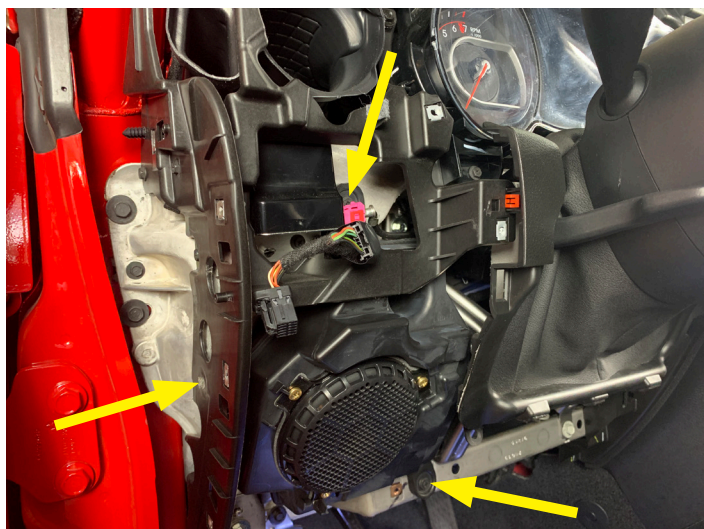
- Remove (4) 10mm bolts below steering column. (one is hidden behind the cross brace behind the left down support)



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

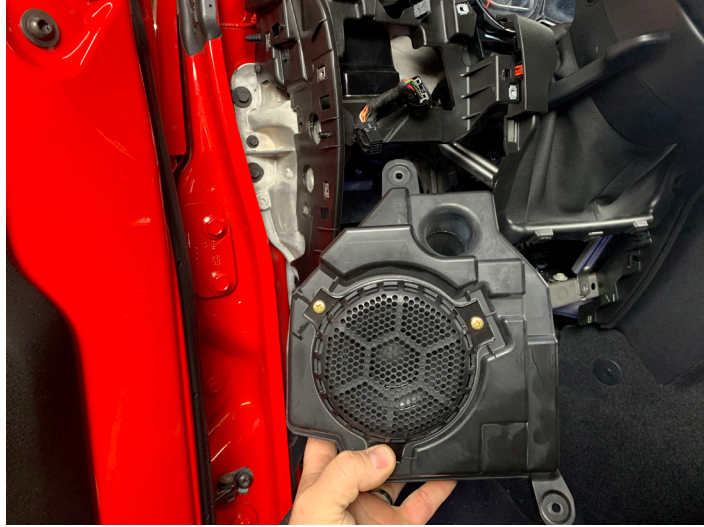


- Remove (3) Phillips screws securing the speaker enclosure



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



- On passenger side remove (4) Phillips screws



Dash Disassembly

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



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



Dash Disassembly

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



- Unclip the airbag cover panel



- Remove (2) Phillips screws that have been exposed



Dash Disassembly

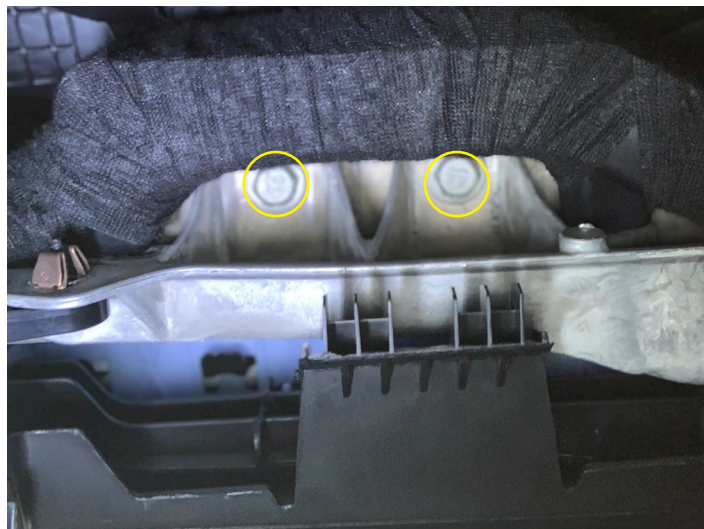
- Remove glove box by opening and lifting the upper tab and removing the latch on the left side



- Remove three Phillips screws that have been exposed



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

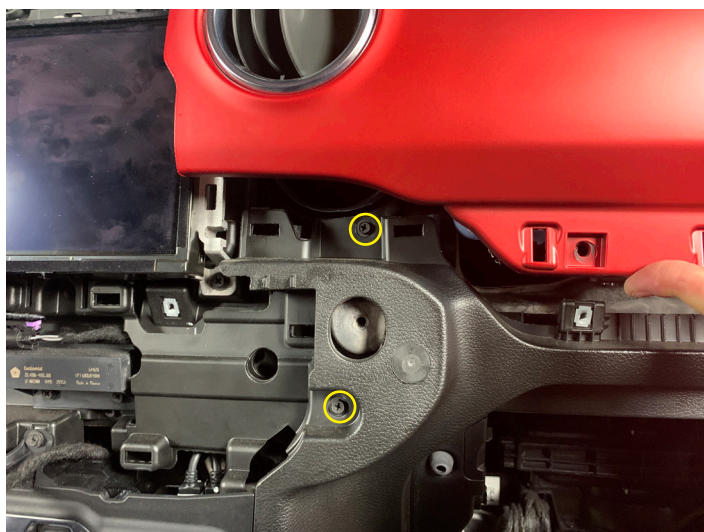


Dash Disassembly

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



- Lifting the air bag 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



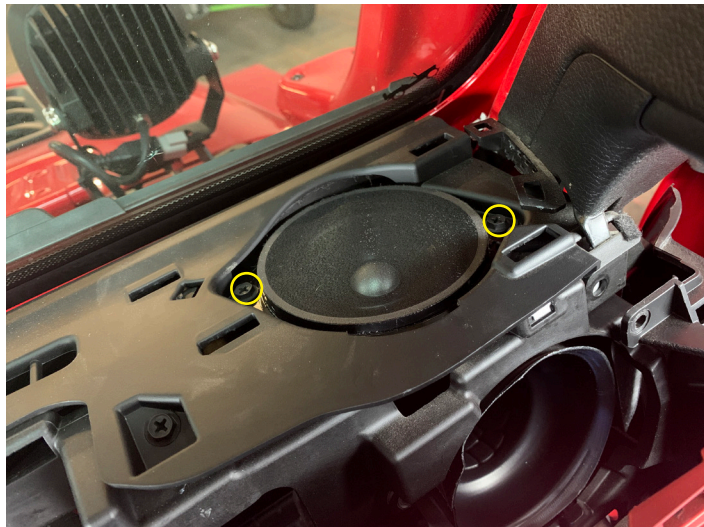
Upper Speaker Replacement

- If you are replacing the upper speakers as well, complete Steps 34 and 35 for driver and passenger side.

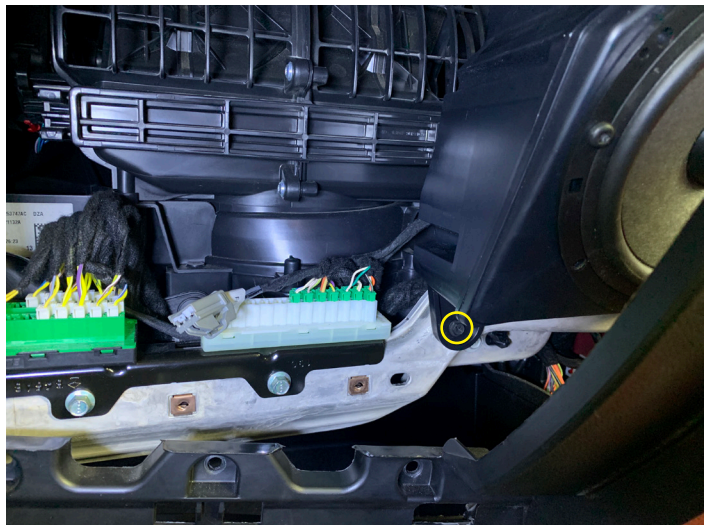
Unclip and remove dash grill



- 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



Upper Speaker Replacement

- Lifting the airbag slightly and install (5) Phillips screws



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



- Carefully clip the airbag into place



Upper Speaker Replacement

- Looking in the glovebox cavity up high, install (2) 13mm bolts securing the back of the passenger side airbag



- Install (3) Phillips screws at bottom of glovebox opening



- Install glovebox by installing bottom hinge and pivoting up. (Also install left side gear arm)



Upper Speaker Replacement

- Install (2) Phillips screw at the bottom of the passenger airbag



- Clip the airbag cover panel into place



- Install (2) 10mm bolts securing the grab handle

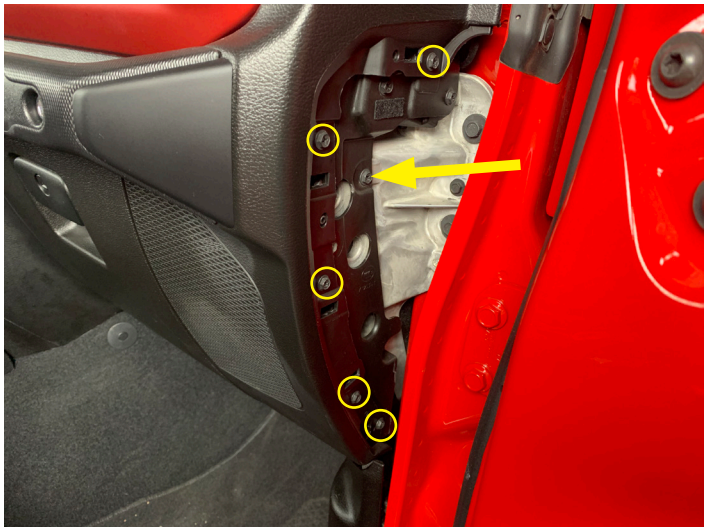


Upper Speaker Replacement

- Slide ears on cover into slot and snap grab handle cover into place



- Install (5) Phillips screws on the side of dash



- Clip the passenger side dash cover into place



Upper Speaker Replacement

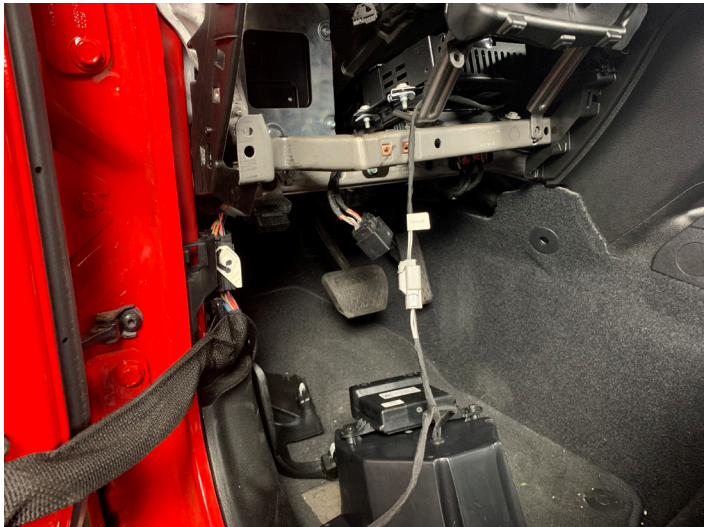
- Install (4) Phillips screws on the top of the air bag



- Connect the speaker enclosure to the wiring

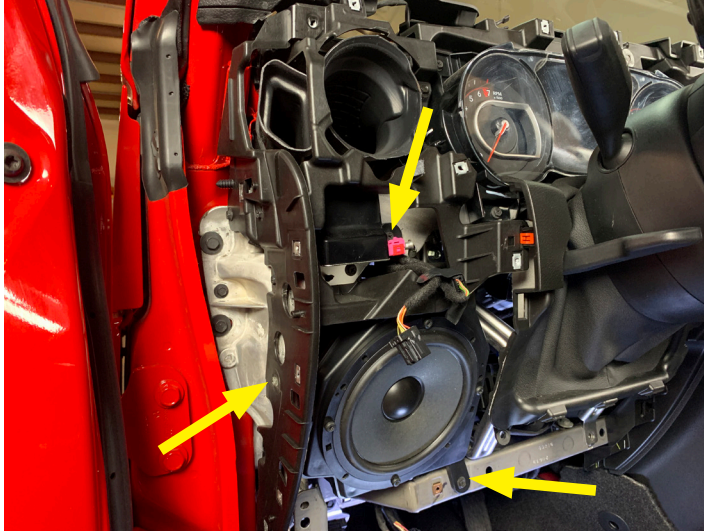
Note – If just replacing the pods, but not adding amplifiers, then you will connect to OEM plug, but if you are adding amplifiers, then you will connect to the new harness.

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

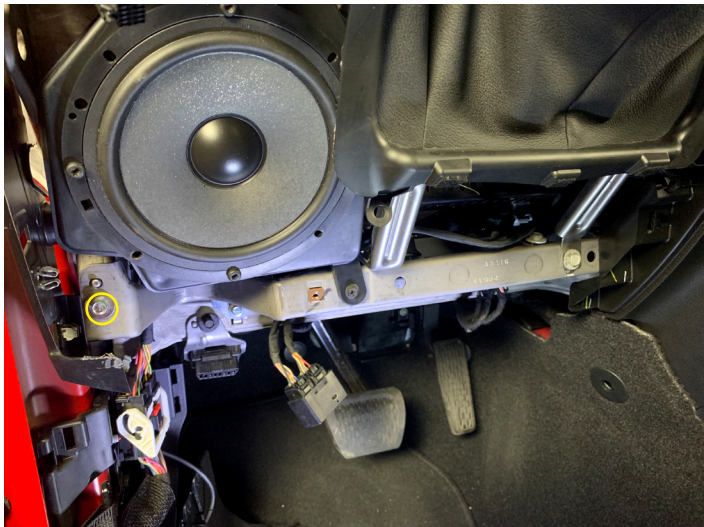


Lower Speaker Install

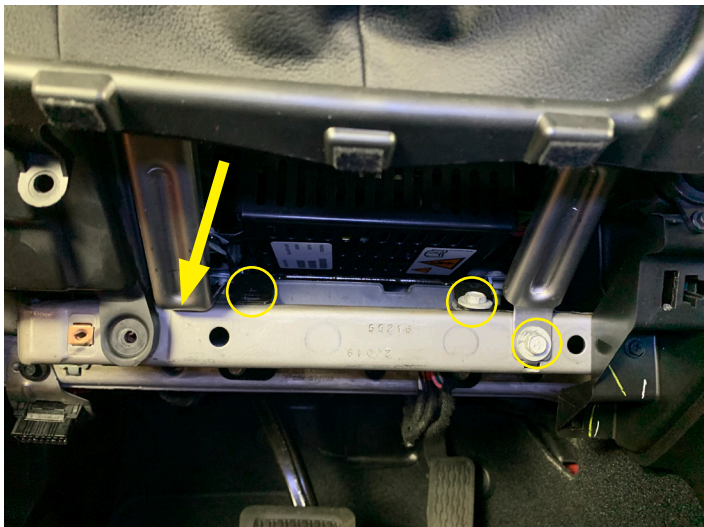
- Install (3) Phillips screw to secure the enclosure



- 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)



Dash Reassembly

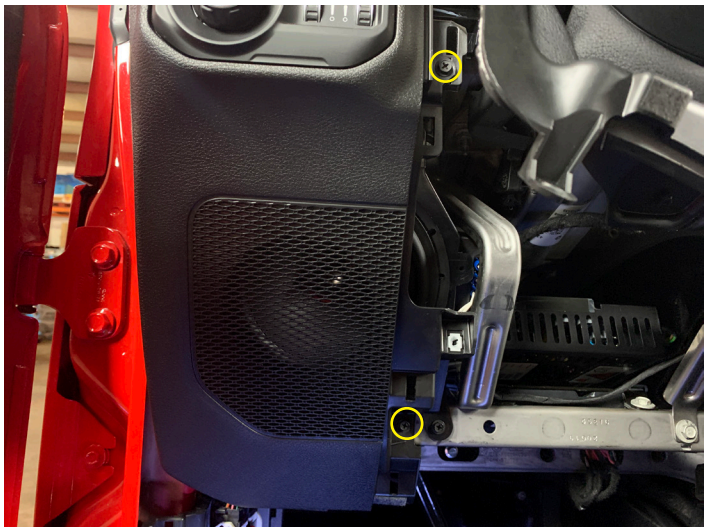
- Connect and install driver side dash



- Install (2) Phillips screws on the top of the left dash



- Install (1) Phillips screw from lower left dash



Dash Reassembly

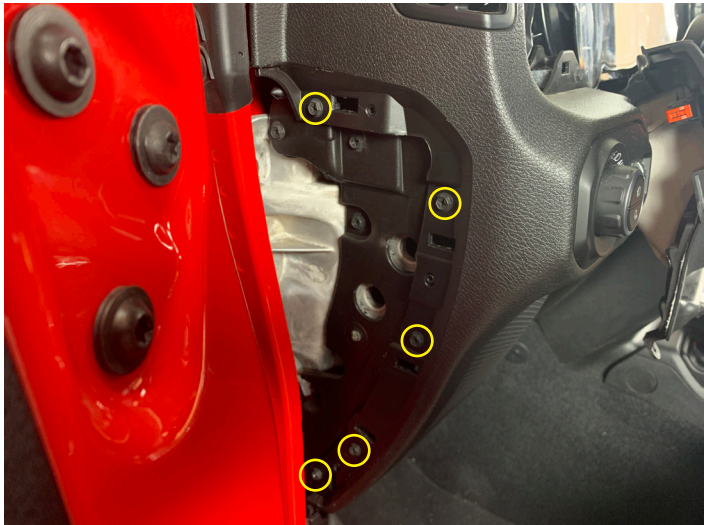
- Install (1) Phillips screw from lower left dash



- Clip kick panel cover into place



- Install (5) Phillips screws on driver side of dash



Dash Re-assembly

- Clip the dash side panel into place



- Clip the steering column shroud into place



- Install (2) Phillips screws on shroud



Dash Reassembly

- Clip the instrument panel shroud into place



- Install (4) Phillips screws on the driver side securing instrument panel shroud



- Clip top of dash into place



Dash Reassembly

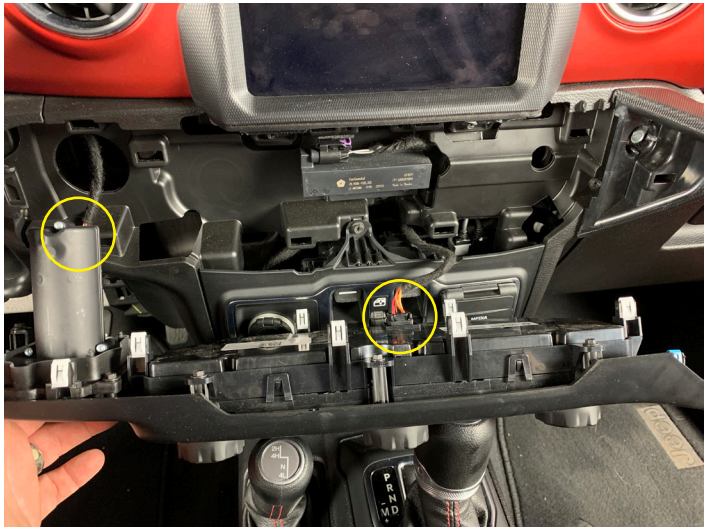
- Install (1) Phillips screw



- Clip the radio shroud into place and install (2) Phillips screws



- Connect the wiring



Dash Re-assembly

- Connect the wiring and clip the climate control panel into place



- Install and clip in place the lower steering column cover



- If you are replacing the top dash speakers, make sure to connect the wires that you passed from the lower pod to the speaker



Upper Speaker Replacement

- Install speaker with (2) Phillips screws



- Clip top dash grill into place



Rear Speaker Installation

- Remove four 5mm Allen bolts to remove the OEM Grill



- Remove and disconnect (4) T30 Torx screws from the port and (5) T20 Torx screws from both speakers



- Apply painter tape to the soundbar, then hold the 6x9 speaker mounting plate up and mark the speaker opening



Rear Speaker Installation

- Remove 6x9 mounting plate to show roughly the cutting and using a rotary cutting tool, cut a hole similar to the picture on the right

BE VERY CAREFUL not to cut the OEM wiring as this will be used with the 6x9 speaker



- Mount the 6x9 metal plate to the soundbar with (8) Phillips screws



Rear Speaker Installation

- Connect the harness adapter to the OEM plug and connect to the 6x9, then mount the 6x9 to the mounting plate using (4) M4 Screws and washers



- Mount the new soundbar grill for the 6x9 with the OEM 5mm bolts



- Reference Wiring/Amplifier install manual for installing the NA2-400.2RC amplifiers.



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.

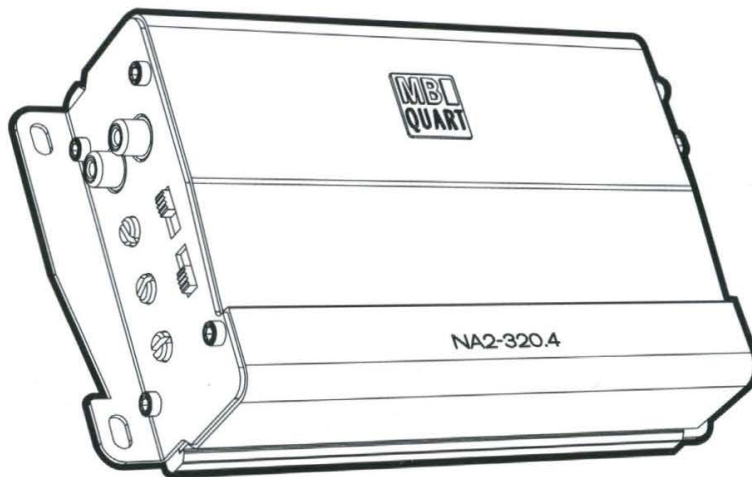
WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

MBQUART®

MUSIC. DEFINED.

Quick Start Installation Guide



NA2-400.2RC

NA2-400.2

NA2-320.4

NA2-400.1

NA2-500.5

Congratulations on your choice of a MBQuart amplifier. This "Quick Start Installation" guide is meant to help you "hook up" and play music. For more detailed information, on system setting, speaker and subwoofer configuration and full specifications by model visit the website, <http://mbquart.com/manuals.html>

Before you start



CAUTION



Many new and factory radios require a reset code when disconnected from battery power. This is an anti-theft feature. Before unplugging power, you must determine if your radio/source unit requires a reset code. Check the operation manual for your vehicle or contact the dealer.

Power cable size and fusing

It is critical to use the proper power and ground cable. Select the size listed here for your amplifier model. Always use high quality copper cable. Visit our website for multi amp system cable recommendations.

Be sure to use the proper fuse size for each model. Some models require an external fuse.

Model	Fuse Size	Cable Size
-------	-----------	------------

NA2-400.2RC	1-30A atc	10ga
--------------------	-----------	-------------

NA2-400.2	1-30A atc
------------------	-----------

NA2-320.4	1-30A atc
------------------	-----------

NA2-400.1	1-30A atc
------------------	-----------

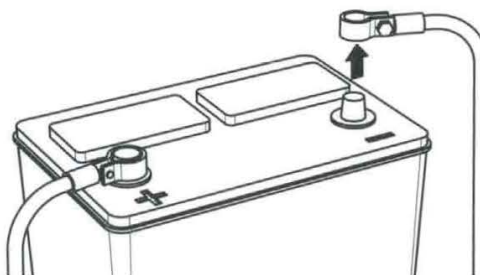
NA2-500.5	1-40A atc
------------------	-----------

For power cable runs over 20 feet, 8ga is recommended.

Installation

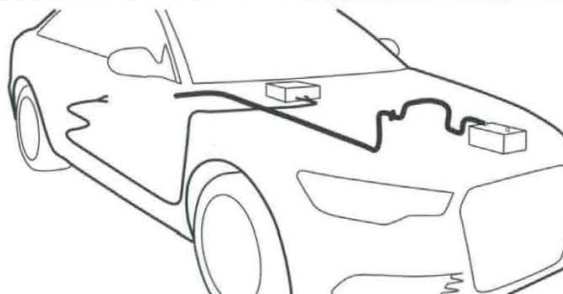
1 Disconnect Negative Battery Terminal

Place terminal in a secure position so that it won't accidentally contact the negative battery post



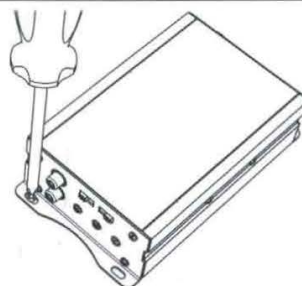
2 Run Cables

Properly route power, speaker and RCA cables through the vehicle.



3 Mount Amplifier

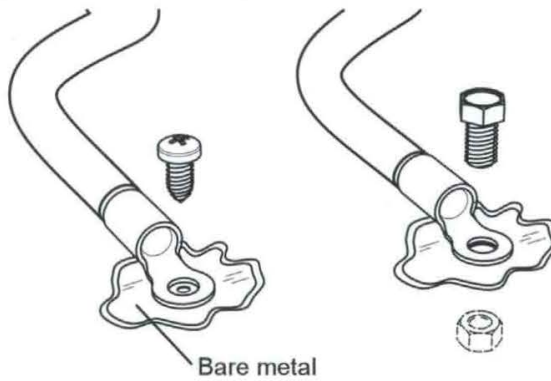
Choose a mounting location that will provide adequate air ventilation. Mount the amplifier to a secure surface. Do not mount the amplifier upside down.



4 Chassis Ground

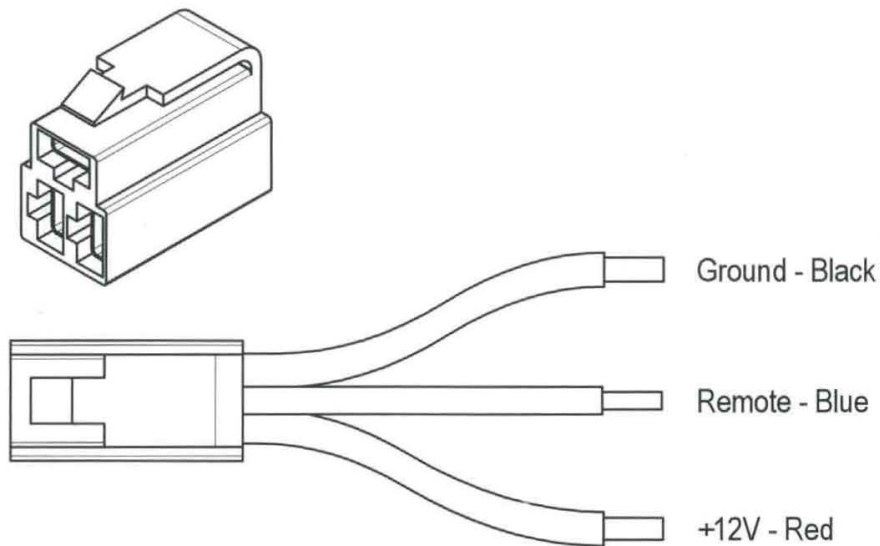


The chassis ground connection is critical to the performance of the amplifier. Choose a location that is close to the amplifier. Completely scrape away the paint and use a nut and bolt if possible. **DO NOT USE AN EXISTING FACTORY BOLT!**



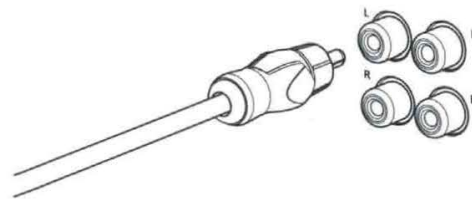
5 Power Connection

Attach the chassis ground, +12V and remote wire. It is important to make sure these connections are very secure.



6 Signal Input Connection

Connect the RCA cables to the INPUT connectors. The OUTPUT can be used to provide input for a second amplifier.



7 Gain Control

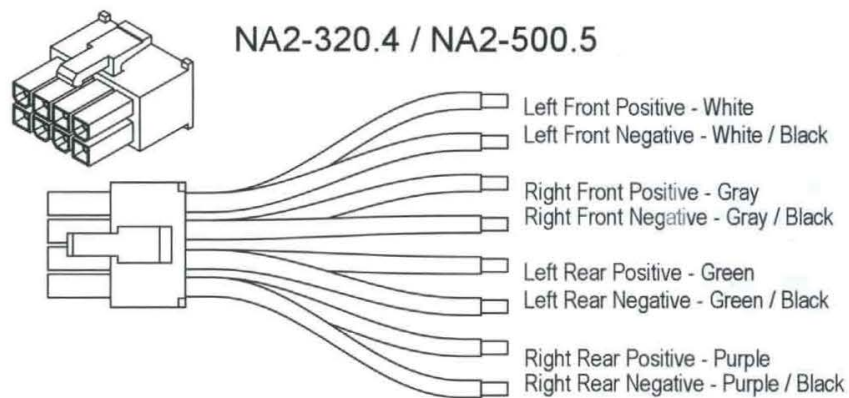
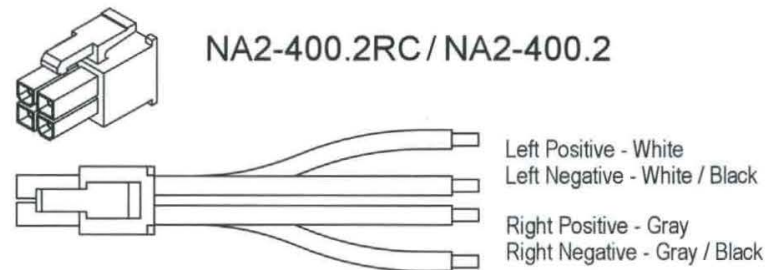
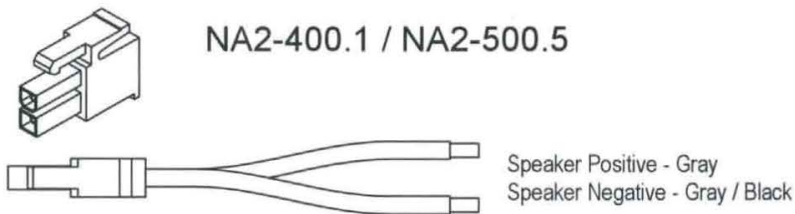


Turn the GAIN control completely counter-clockwise to minimum.



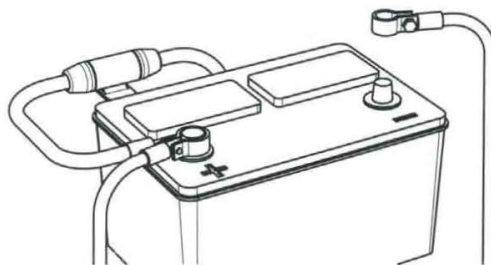
8 Speaker Connections

Connect the speaker cables to the speaker output connectors. Follow the diagram below that best fits your speaker configuration.



9 Positive Battery Connection

Connect the power cable to the positive battery terminal. The power cable must be fused within 18 inches of the battery terminal.

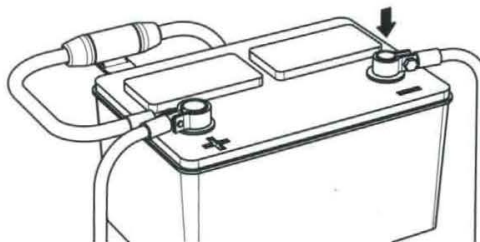


Be prepared to disarm your vehicle's alarm and to enter your radio / source unit code.



10 Re-connect Negative Battery Terminal

Re-connect the negative battery terminal making sure it is securely tightened.



Setup

A

Settings

The illustrations below describe the various controls. Refer to the illustration that matches your amplifier.

1 GAIN Adjustment

The gain control purpose is to match the output of your source signal to the amplifier. Refer to the section B below for detailed instructions.

2 X-OVER Switch

This switch will set the amplifier to have a full frequency output or to filter out high or low frequencies. The NA1-400.2RC offers either a bandpass or a high pass filter.

3 Frequencies Adjustment

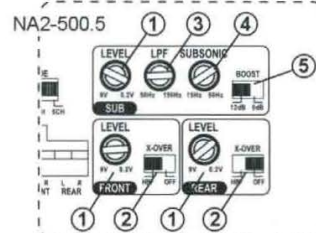
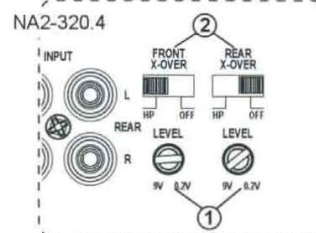
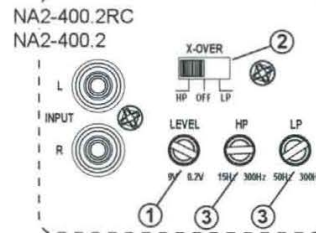
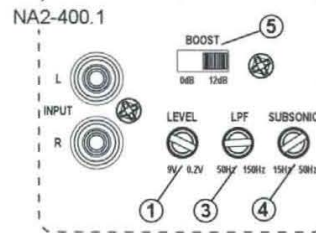
The Low Pass Filter will cut off the frequencies above the setting. The High Pass Filter will cut off the frequencies below the setting.

4 SUBSONIC Adjustment

The Subsonic Filter will cut off the frequencies below the setting. If using with a subwoofer the setting should be kept between 15-25Hz.

5 BOOST Switch

The Boost Switch will increase the signal 12dB at 45Hz. Be aware this setting can cause distortion if the gain is not set properly.



B

Level Setting



This is a critical step to insure your amplifier is properly adjusted to match the signal output level of your source unit.

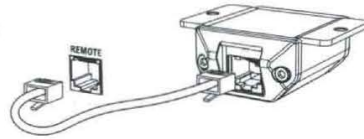
THIS IS NOT A VOLUME CONTROL!



1. If possible, with the source unit off, confirm that the primary volume control is turned down (counter clockwise).
2. Turn on the source unit (CD, or MP3 player). Re-confirm that the volume is turned down. Make sure the source unit controls; balance, fader, bass and treble are all set to center or "0" adjustment. Make sure that the green LED on the end of the amplifier is illuminated.
3. Play a clean musical selection of which you are very familiar. CD is preferred. Do not use radio signals for level setting. Hit play and start turning the volume of the source unit up.
4. Stop increasing the source unit volume when you reach 3/4 (about 75%) or until you hear speakers begin to slightly start producing distortion.
5. Increase the amplifier gain (clockwise) until distortion is heard, then back the level down (counter clockwise) until the distortion is eliminated. Small adjustments may need to be made to balance the levels of multiple amplifiers.

C**Remote Level Control**

Some models include a bass remote. Avoid adjusting the bass remote while operating vehicle.



The information contained within this document is intended to offer some basic guidelines for a few of the most common installations. More complex audio systems should be installed by a competent professional. Additional installation information available at www.maxxsonics.com

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.

MBQuart products are designed and engineered in the USA by
MAXXSONICS®