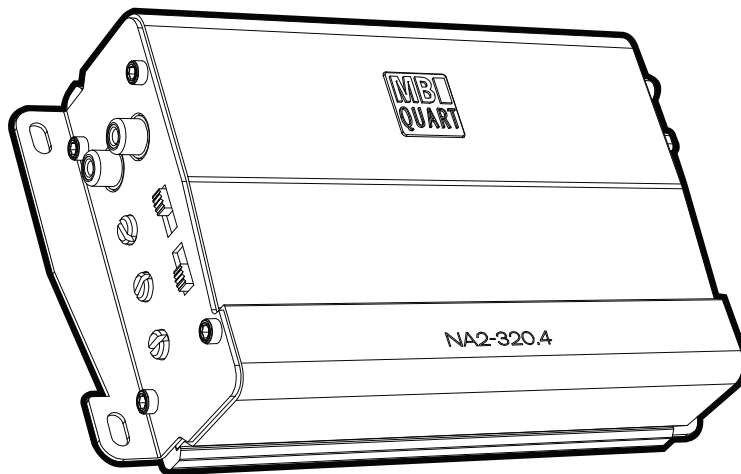


MBQUART[®]

MUSIC. DEFINED.

Quick Start Installation Guide



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.

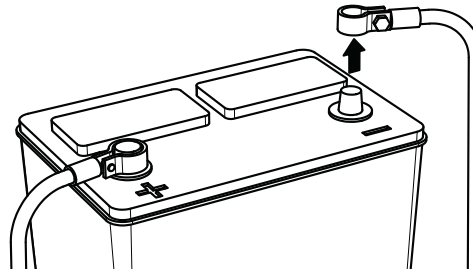
Model	Fuse Size	Cable Size
NA2-400.2	1-30A atc	10ga
NA2-320.4	1-30A atc	
NA2-400.1	1-30A atc	
NA2-500.5	1-40A atc	

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

Installation

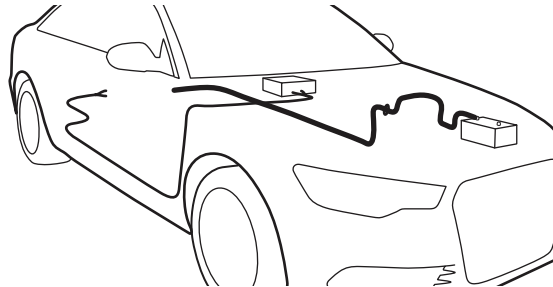
1 *Disconnect Negative Battery Terminal*

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



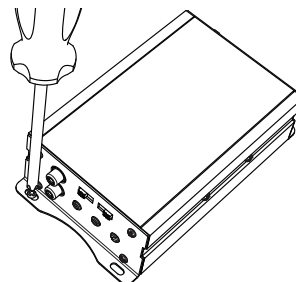
2 *Run Cables*

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



3 *Mount Amplifier*

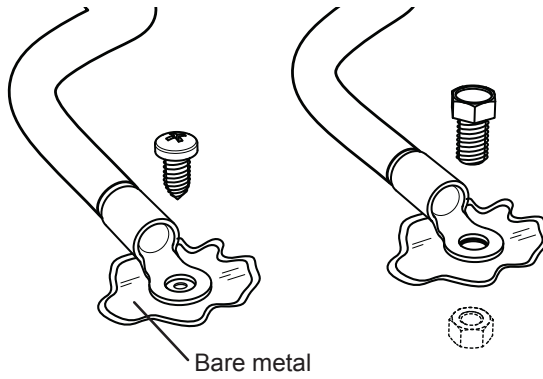
Choose a mounting location that will provide adequate air ventilation. Mount the amplifier to a secure surface. Do not mount the amplifier upside down.



4 Chassis Ground

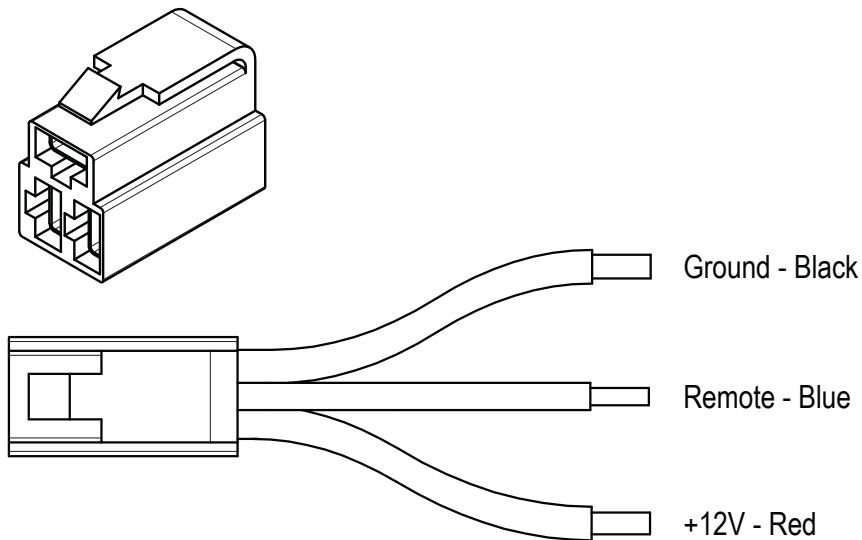


The chassis ground connection is critical to the performance of the amplifier. Choose a location that is close to the amplifier. Completely scrape away the paint and use a nut and bolt if possible. **DO NOT USE AN EXISTING FACTORY BOLT!**



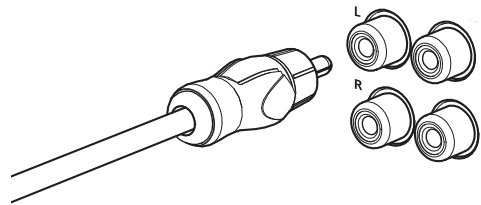
5 Power Connection

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

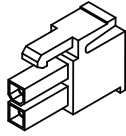


Turn the GAIN control completely counter-clockwise to minimum.



8 *Speaker Connections*

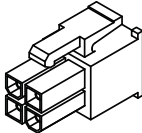
Connect the speaker cables to the speaker output connectors. Follow the diagram below that best fits your speaker configuration.



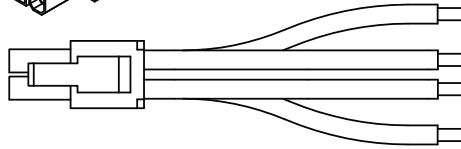
NA2-400.1 / NA2-500.5



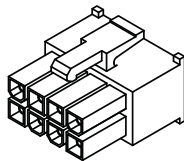
Speaker Positive - Gray
Speaker Negative - Gray / Black



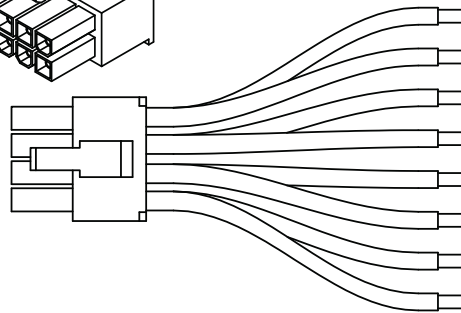
NA2-400.2



Left Positive - White
Left Negative - White / Black
Right Positive - Gray
Right Negative - Gray / Black



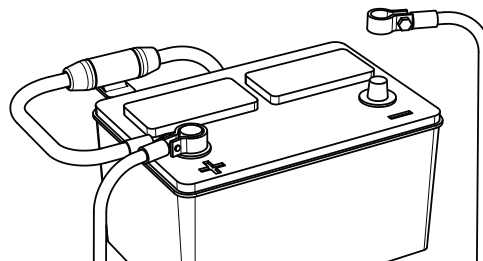
NA2-320.4 / NA2-500.5



Left Front Positive - White
Left Front Negative - White / Black
Right Front Positive - Gray
Right Front Negative - Gray / Black
Left Rear Positive - Green
Left Rear Negative - Green / Black
Right Rear Positive - Purple
Right Rear Negative - Purple / Black

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.

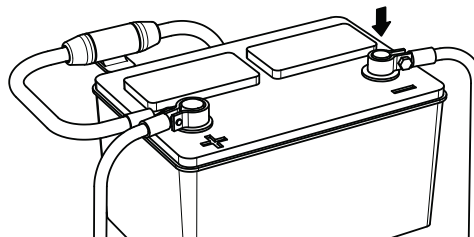


Be prepared to disarm your vehicle's alarm and to enter your radio / source unit code.



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 NA1-400.2 offers either a bandpass or a high pass filter.

3 Frequencies Adjustment

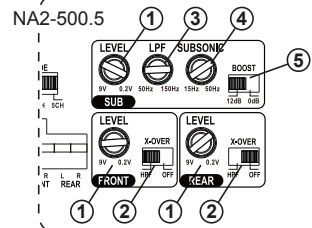
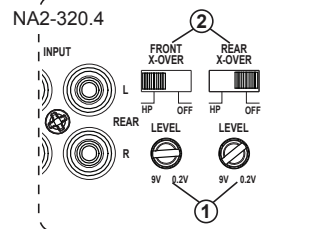
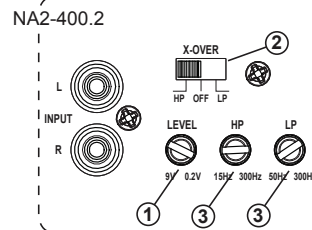
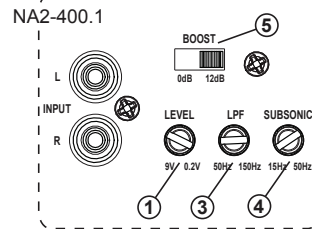
The Low Pass Filter will cut off the frequencies above the setting. The High Pass Filter will cut off the frequencies below the setting.

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!

GAIN



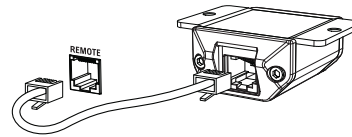
MIN MAX

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.



Remote Level Control

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



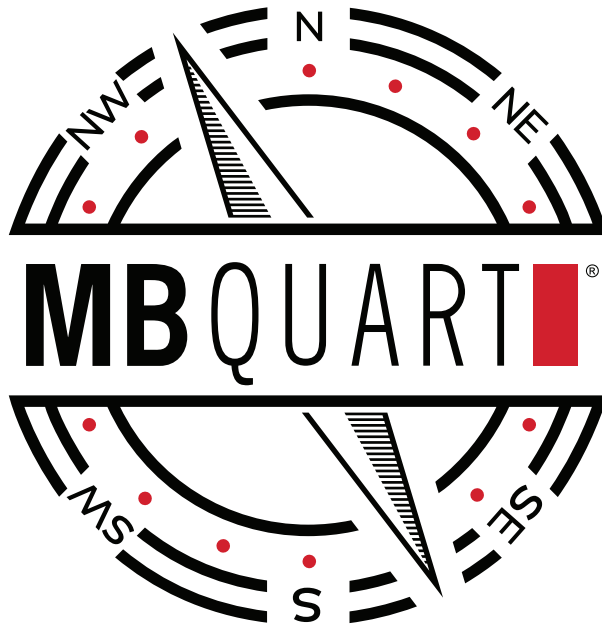
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The information contained within this document is intended to offer some basic guidelines for a few of the most common installations. More complex audio systems should be installed by a competent professional. Additional installation information available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



Assembly Instructions

Model:	Jeep JL (Wrangler) & JT (Gladiator)
Description:	Subwoofer Install
Part Number:	MBQJ-SUBA-1 & MBQJ-SUB-1
Assembly Time:	120 Minutes (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.

MBQJ-SUB-1 Parts List		
No.	Component Name	Qty
1	Subwoofer Enclosure	1
2	Subwoofer	2
3	Extension Harness	2

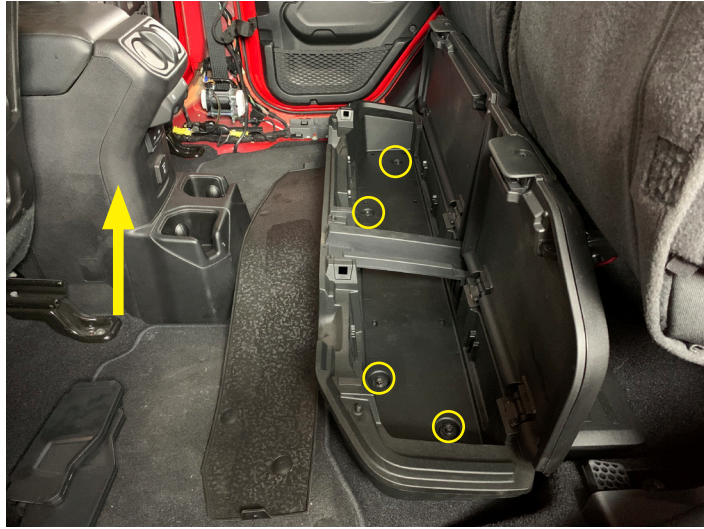
MBQJ-SUBA-1 Parts List		
No.	Component Name	Qty
1	Subwoofer Enclosure	1
2	Subwoofer	2
3	Extension Harness	2
4	NA2-400.1	1

1	10mm Socket
2	Ratchet
3	T20 Torx Bit

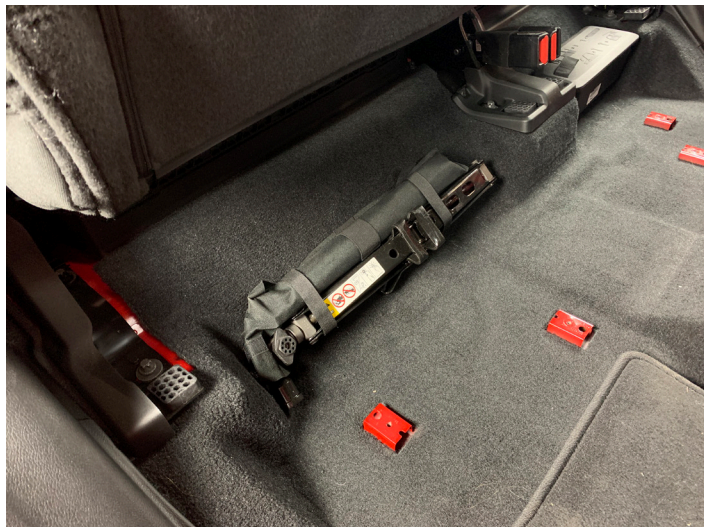
Disassembly

- Remove (4)10mm bolts securing the under seat storage compartment

May need to remove rubber insert to gain access to bolts



- Remove jack



Subwoofer Installation

- Cut a small hole in the carpet (as pictured) to pass the subwoofer extension harness through going toward the outside of vehicle along door seal toward the passenger seat area.



- Install jack



- Connect subwoofer enclosure wiring to subwoofer extension harness.

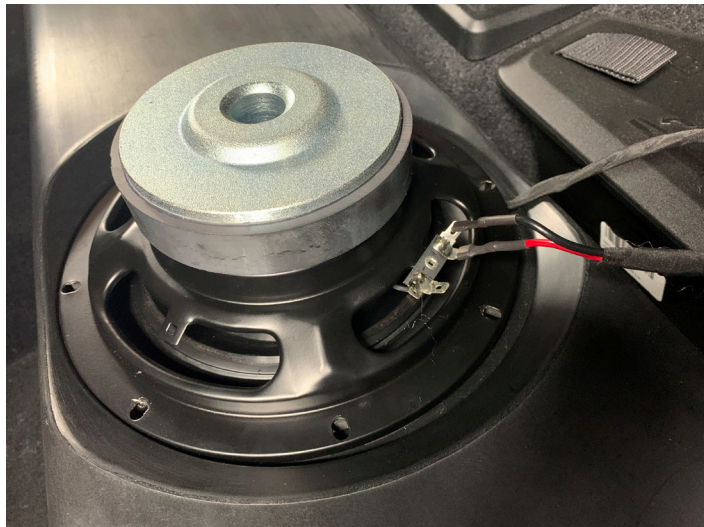


Subwoofer Installation

- Reusing the (4) 10 mm bolts holding the storage compartment, secure the subwoofer enclosure



- Connect the subwoofer speaker wires to the subwoofer and repeat the process for other subwoofer



- Secure the subwoofer to the enclosure with (8) High-Low screws using a T-20 Torx bit



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.