



# ELITE

**E2300D1/D2**

**E2380D1/D2**

# THANK YOU FOR PURCHASING BASS HABIT

Thank you for purchasing this Bass Habit subwoofer. Please read this manual in order to fully understand how to get the best result from this product and ensure that the advices on how to look after the product and the safety precautions are followed. We hope you enjoy using the product as much as we enjoyed creating it.

Before mounting and installing your new subwoofer, please read through the whole user manual. If you have any questions concerning your subwoofer or any other Bass Habit products, contact your nearest Bass Habit distributor.



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# SAFETY & WARRANTY

## **DO NOT EXPOSE THIS PRODUCT TO EXCESSIVE DAMP OR MOISTURE**

- Doing so may result in shock or damage to the product.

## **BEFORE WIRING, DISCONNECT THE CABLE FROM THE POSITIVE BATTERY TERMINAL**

- Failure to do so may result in electric shock or injury.

## **ENSURE GOOD AND CORRECT CONNECTIONS**

- Failure to make the correct connections may result in permanent damage to the product.

## **DO NOT USE ANY FUNCTIONS THAT MAY TAKE YOUR CONCENTRATION AWAY FROM DRIVING YOUR VEHICLE**

- Do not setup your amplifier whilst driving. Doing so may result in an accident. For prolonged interaction with the product, make sure that your vehicle is stationary and parked in a safe location.

## **KEEP THE VOLUME AT A LEVEL SO YOU CAN STILL HEAR OUTSIDE NOISE**

- Failure to do this may result in an accident. Bass Habit equipment is capable of producing sound levels that can permanently damage your hearing. Bass Habit recommends caution when listening at a high volume. For safety and enjoyable listening, the sound should be clear without distortion.

## **CAUTION**

Never connect any speaker lead to the car chassi. This can cause severe damage to your car audio setup. Before drilling or cutting any holes, investigate the layout of your vehicle thoroughly. Use caution when working near the fuel/hydraulic lines and electrical wiring. Observe the correct polarity when wiring. Improper phasing may cause a loss of bass response. Make sure that no moving parts get caught on the subwoofer or grill.

## **WARRANTY**

All Bass Habit products carry a full warranty depending on the conditions in the country where it is sold. The warranty is valid from the date of the original receipt as proof of purchase (warranty period differs depending on local warranty laws and policies). Contact your international Bass Habit dealer or distributor concerning specific procedure for your country's warranty policies.

## **WHAT IS NOT COVERED**

- Damage to product due to improper installation.
- Subsequent damage to other components.
- Damage caused by exposure to moisture, excessive heat, chemical cleaners and/or UV radiation.
- Damage through negligence, missuse, accident or abuse. Repeated returns for the same fault may be considered as abuse.
- Any cost or expense related to the removal and/or abuse. Repeated returns for the same fault may be considered as abuse.
- Damage caused by amplifier clipping or distortion.
- Items repaired or modified by any unauthorised repair facility.
- Return shipping on non-defective items.
- Products returned without a return authorisation number.
- Damage to product due to use of sealant.

## **WARNING**

Bass Habit equipment is capable of sound pressure levels that can cause permanent damage to your hearing and those around you. Please use common sense when listening to your audio system and practice safe sound.

## **INTERNATIONAL TECHNICAL ENQUIRIES**

For international technical support please contact the distribution agent for your country.

# INSTRUCTIONS

## INSTALLATION EXPERIENCE

Installation of Bass Habit subwoofer may require experience with a variety of mechanical procedures including enclosure construction. This manual only provides general installation and operation instructions. If you have any reservations about your installation skills, please contact your local authorized Bass Habit dealer for help.

## CHOOSING SUBWOOFER MOUNTING LOCATIONS

Choosing the correct subwoofer mounting location will have the greatest effect of the sound quality of the system. There are many different considerations needed when choosing the location(s) that best meet your needs. The location(s) must be large enough for the subwoofer to fit. Care is needed to ensure that the desired location will not affect either the mechanical or electrical operation of the vehicle.

**WARNING!** The use of silicone rubber to seal in a subwoofer will void the warranty. If any sealing is needed in addition to the subwoofer's gasket, use caulking cord or vinyl weather strip.

## PREPARING FOR INSTALLATION

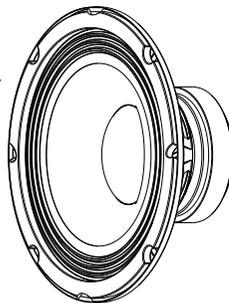
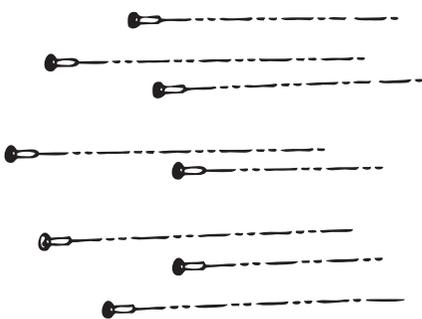
**NOTE!** The tools listed below may be required for basic installation:

- An electric drill with bits.
- Saber and jig saw.
- Phillips-head and standard screwdrivers.
- Wire strippers.
- Crimping tool and needle-nose pliers.
- Closed cell weather-stripping (for the subwoofer), Silicone sealant (for enclosure).

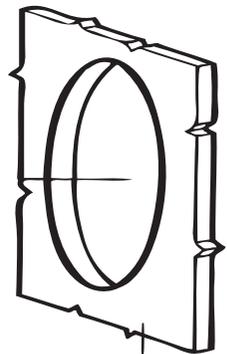
## INSTALLATION PRECAUTIONS

**NOTE!** Proceed only if you are a qualified installer, otherwise let your dealer do it.

- Always wear protective eyewear when using tools.
- Turn off all stereo and other electrical devices before you begin.
- Disconnect the (-) negative lead from your vehicle's battery.
- Keep the subwoofer in the package until final installation, and always rest it with the cone facing up.
- Never use force when installing a subwoofer.
- Locate all fuel lines, brake lines, oil lines and electrical cables when planning your installation.



The mounting surface must be flat



Panel

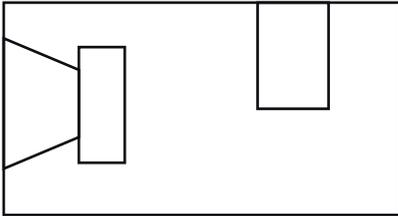
# INSTRUCTIONS

## INSTALLING THE SUBWOOFER

- 1) Determine where the subwoofer will be mounted. Make sure there is a flat area large enough for the subwoofer to fit properly. An uneven mounting surface can damage the driver.
- 2) Check to make sure the space you have selected for the subwoofer will not interfere with vehicle operation.
- 3) If a template is included in the packaging, use the template and mark the hole with a pen.
- 4) Cut the hole for the subwoofer. A hole can be cut either with a pair of metal tin snips, a saber or jig saw.
- 5) Run speaker wire (not included) to the subwoofer. Make sure to keep wires away from sharp metal or other rough edges. When passing through metal, use a grommet to protect the wires from sharp edges.
- 6) Pre drill the mounting holes using a 1/8" (3mm) drill bit.
- 7) Pull the wire through the subwoofer opening and connect the subwoofer. Be sure to observe proper polarity.
- 8) Mount the subwoofer using good quality screws.

## RECOMMENDED SUBWOOFER ENCLOSURE SIZE

Bass Habit subwoofers need an enclosure to perform at it's very best. Follow the suggested enclosures values below for a good over all bass experience.



### VENTED ENCLOSURE:

#### **E2300D1**

Volume: 47L, F3: 36Hz  
FB: 37Hz / 1 Slotport  
Port area: 10000mm<sup>2</sup>, Length: 458mm  
Wool: Light Fill / 2 sides

#### **E2380D1**

Volume: 83L, F3: 38Hz  
FB: 38Hz / 1 Port  
Diameter: 155mm, Length: 444mm  
Wool: Light Fill / 2 sides

#### **E2300D2**

Volume: 47L, F3: 36Hz  
FB: 37Hz / 1 Slotport  
Port area: 10000mm<sup>2</sup>, Length: 458mm  
Wool: Light Fill / 2 sides

#### **E2380D2**

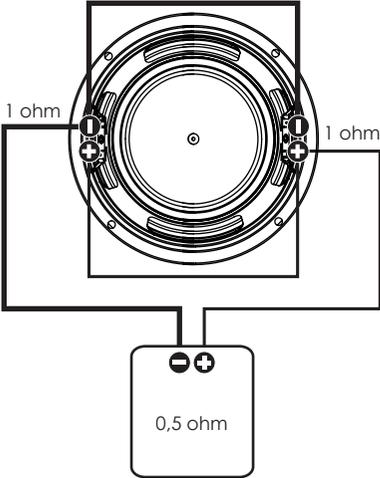
Volume: 82L, F3: 39Hz  
FB: 34Hz / 1 Port  
Diameter: 155mm, Length: 420mm  
Wool: Light Fill / 2 sides

**NOTE!** All enclosure recommendations includes driver and port displacements.

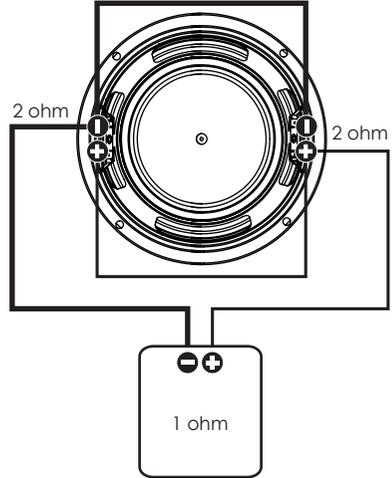
# WIRING EXAMPLES

Your Bass Habit Elite subwoofer uses double 1 ohm or 2 ohm voice coils depending on the model. It is important to know the limits of your amplifier to optimize its performance. You can vary the impedance by altering the wiring configurations between series or parallel. Choose the wiring diagram below that corresponds to the impedance stability of your amplifier.

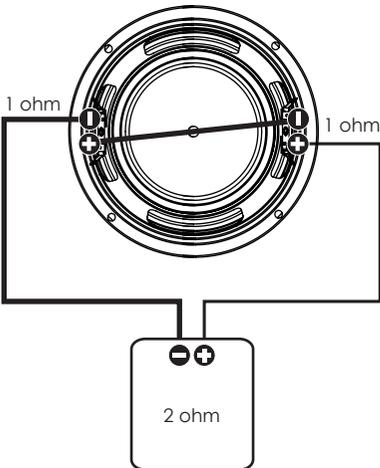
Dual 1 ohm VC  
in parallel



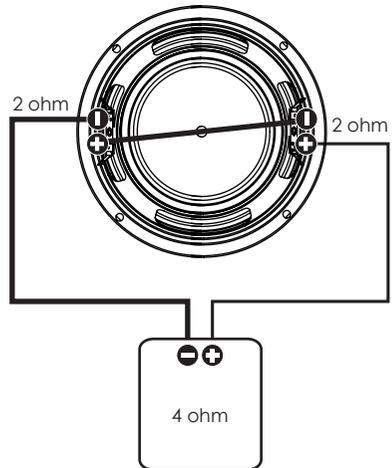
Dual 2 ohm VC  
in parallel



Dual 1 ohm VC  
in series

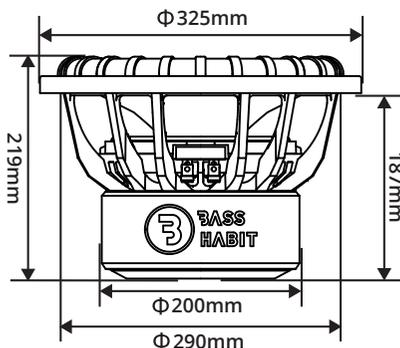
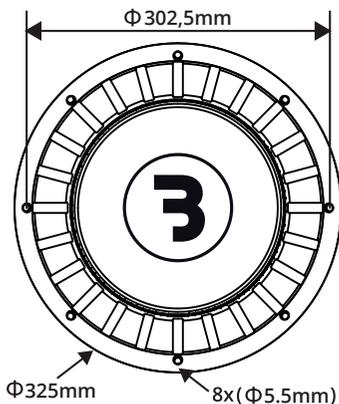


Dual 2 ohm VC  
in series



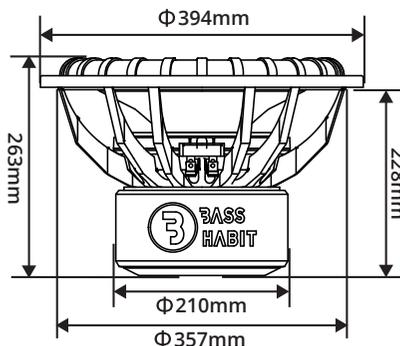
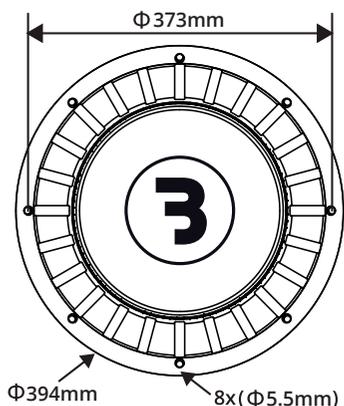
# SPECIFICATION E2300D1/E2300D2

Component	Subwoofer	Subwoofer
Size	300mm (12")	300mm (12")
RMS Power	1700W	1700W
MAX Power	3400W	3400W
PEAK Power	5100W	5100W
Nominal Impedance	1+1 Ohm	2+2 Ohm
Sensitivity	89dB	89dB
Frame material	Aluminum	Aluminum
Cone material	Non-Pressed Paper	Non-Pressed Paper
Suspension material	Polycotton	Polycotton
Magnet	Ferrite 231 Oz	Ferrite 231 Oz
Voice Coil Diameter	76,5mm (3")	76,5mm (3")
Voice Coil Wire	CCAW	CCAW
Re	2.4ohm	4.1 ohm
Qts	0,413	0,396
Qms	6,225	5,548
Qes	0,442	0,426
Fs	41	41
Vas	32,332	28,149
BL	16,638	23,733
Weight (pc)	15 kg	15 kg



# SPECIFICATION E2380D1/E2380D2

Component	Subwoofer	Subwoofer
Size	380mm (15")	380mm (15")
RMS Power	2000W	2000W
MAX Power	4000W	4000W
PEAK Power	6000W	6000W
Nominal Impedance	1+1 Ohm	2+2 Ohm
Sensitivity	90dB	90dB
Frame material	Aluminum	Aluminum
Cone material	Non-Pressed Paper	Non-Pressed Paper
Suspension material	Polycotton	Polycotton
Magnet	Ferrite 310 Oz	Ferrite 310 Oz
Voice Coil Diameter	76,5mm (3")	76,5mm (3")
Voice Coil Wire	CCAW	CCAW
Re	2.2 ohm	4.2ohm
Qts	0,396	0,392
Qms	4,175	5,595
Qes	0,437	0,422
Fs	30	30
Vas	68	63,6
BL	14,628	29,221
Weight (pc)	20 kg	20 kg





The crossed-out wheeled bin symbol means that the product, literature and packaging included must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste: dispose of them at a recycling point. For info on your nearest recycling point, check with your local waste authority.

Products marked with the RoHS symbol complies with the relevant provisions of the RoHS Directive for the European Union. In common with all Electrical and Electronic Equipment (EEE) the product should not be disposed of as household waste. Alternative arrangements may apply in other jurisdictions.

The product with the CE mark indicates that it has passed the corresponding conformity assessment procedure and the manufacturer's declaration of conformity, and it complies with the relevant EU directives, and is used as a pass for the product to be allowed to enter the European Community market. Relevant directives require industrial products to be affixed with the CE mark. Those that do not have the CE mark shall not be marketed.

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