

KICKER®

Owner's Manual
Manual del Propietario
Manuel d'utilisation
Benutzerhandbuch



select language



MW Subwoofers



*seleccione
el idioma*

Subwoofers MW



*choisir la
langue*

Caissons de basses MW



*sprache
auswählen*

MW Subwoofer

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Overview

IMPORTANT SAFETY WARNING

PROLONGED CONTINUOUS OPERATION OF AN AMPLIFIER, SPEAKER, OR SUBWOOFER IN A DISTORTED, CLIPPED OR OVER-POWERED MANNER CAN CAUSE YOUR AUDIO SYSTEM TO OVERHEAT, POSSIBLY CATCHING FIRE AND RESULTING IN SERIOUS DAMAGE TO YOUR COMPONENTS AND/OR VEHICLE. AMPLIFIERS REQUIRE UP TO 4 INCHES (10CM) OPEN VENTILATION. SUBWOOFERS SHOULD BE MOUNTED WITH AT LEAST 1 INCH (2.5CM) CLEARANCE BETWEEN THE FRONT OF THE SPEAKER AND ANY SURFACE. KICKER PRODUCTS ARE CAPABLE OF PRODUCING SOUND LEVELS THAT CAN PERMANENTLY DAMAGE YOUR HEARING! TURNING UP A SYSTEM TO A LEVEL THAT HAS AUDIBLE DISTORTION IS MORE DAMAGING TO YOUR EARS THAN LISTENING TO AN UNDISTORTED SYSTEM AT THE SAME VOLUME LEVEL. THE THRESHOLD OF PAIN IS ALWAYS AN INDICATOR THAT THE SOUND LEVEL IS TOO LOUD AND MAY PERMANENTLY DAMAGE YOUR HEARING. PLEASE USE COMMON SENSE WHEN CONTROLLING VOLUME.

The MW Premium Marine Subwoofers are premium subwoofers that perform in sealed or vented enclosures, as well as free-air installs. A weatherresistant Poly Cone & Co-Molded TPE surround ensure protection from the elements, highly-accurate bass reproduction, & high power handling for maximum output. The subwoofer assembly is fully sealed, including around the speaker and LED connections to ensure the easiest installation possible while preventing corrosion from exposure to the elements. Whether upgrading an existing audio system or decking out a new one, these subwoofers can be mounted anywhere you need top-quality audio that can take the punishment of being out on the open water. As always, KICKER uses advanced materials and construction techniques to ensure optimal performance for years to come, which is why these come with an industry-leading 3-year warranty! We hope you have the chance to combine these new subs with our whole line of premium marine products, including speakers and amplifiers, for the best audio experience money can buy!

Specifications

<i>MW Free Air Subwoofers</i>	<i>MWF10</i>	<i>MWF12</i>
Woofer [in, cm]	10, 25	12, 30
Peak Power Handling [Watts]	800	900
Recommended Amplifier Power [Watts RMS]	200–400	225–450
Sensitivity [1W, 1m]	84	86
Outer Frame Dimension [in, cm]	10 13/16, 28	12 11/16, 32
Mounting Hole Diameter [in, cm]	9 1/16, 23	10 3/4, 27
Mounting Depth [in, cm]	5 3/16, 13	5 3/4, 15
Specifications Common to All Models		
Rated Impedance [Ω]	4	
Frequency Response [Hz]	20–500	
Grilles	Charcoal (White sold separately)	

<i>MW Enclosure Subwoofers</i>	<i>MWE10</i>	<i>MWE12</i>
Woofer [in, cm]	10, 25	12, 30
Peak Power Handling [Watts]	800	900
Recommended Amplifier Power [Watts RMS]	200–400	225–450
Sensitivity [1W, 1m]	84.5	86
Outer Frame Dimension [in, cm]	10 13/16, 28	12 11/16, 32
Mounting Hole Diameter [in, cm]	9 1/16, 23	10 3/4, 27
Mounting Depth [in, cm]	5 3/16, 13	5 3/4, 15
Specifications Common to All Models		
Rated Impedance [Ω]	4	
Frequency Response [Hz]	20–500	
Grilles	Charcoal (White sold separately)	

Note: All specifications and performance figures are subject to change. Please visit

www.kicker.com for the most current information.

To get the best performance from your new KICKER speakers, we recommend using genuine KICKER accessories and wiring. Please allow two weeks of break-in time for the speakers to reach optimum performance.

Installation

Wiring Configuration

We recommend using 12 gauge (or larger) wire. The MW Subwoofers are rated at 4 ohms and work with any amplifier designed to operate at a 4 ohm load.

Make sure your amplifier is rated for 4 ohm operation. Carefully run the subwoofer wire in a location that is clear of standing water and moving components of the boat.

The wire should be kept away from sharp edges and avoid the possibility of getting pinched. If a factory hole and grommet do not exist or are inaccessible, you must drill a hole through which to run the wire. Be careful not to drill into other wiring or existing mechanisms. Any time a wire is run through a hole, it is necessary to insert a rubber or plastic grommet to protect the wire and boat from damage.

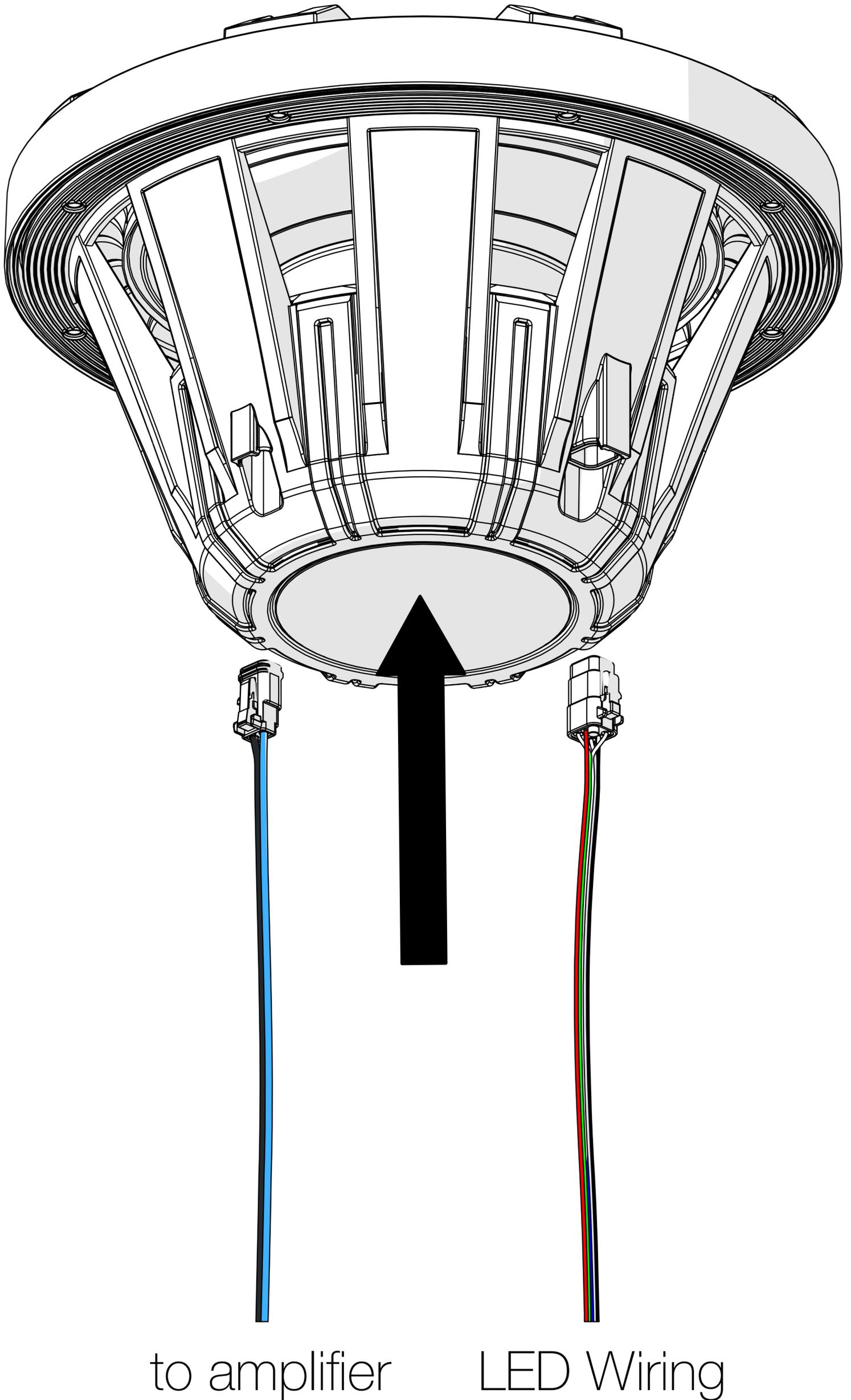
Pro Tip: You're a KICKER [KXM amplifier](#) and [a few cables](#) away from a full system upgrade that will dominate out on the water! Also, ask your [KICKER Dealer](#) about KICKER Premium Marine subwoofer upgrades.

1. Connect the MW audio leads to the subwoofer output terminals of your amplifier.

a. CLEAR BLUE WIRE - POSITIVE (+)

b. CLEAR BLACK WIRE - NEGATIVE (-)

2. Connect the MSS audio & LED plugs to the MSS.



LED Wiring Configuration

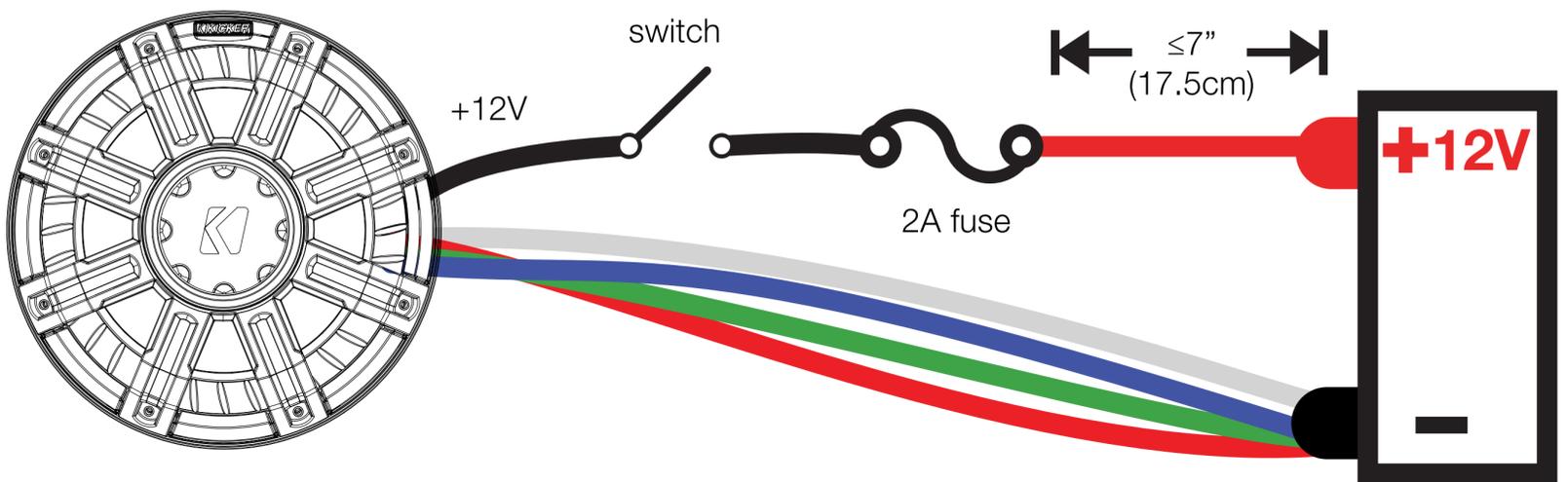
When wiring the LED lighting, the black lead is +12V and the blue, red, green and white leads are ground.

1. Connect the black LED wire to the positive terminal of the battery.

a. Place a 2-amp fuse (not included) no further than 7" away from the battery terminal.

b. Install a switch (not included) on the black LED wire between the fuse and the speaker, so the LED's can be turned off. Without a switch to turn them off, they will always be on.

2. Connect the red, blue, green, and/or white LED wires to the negative terminal of the battery. See the chart below for available combinations.

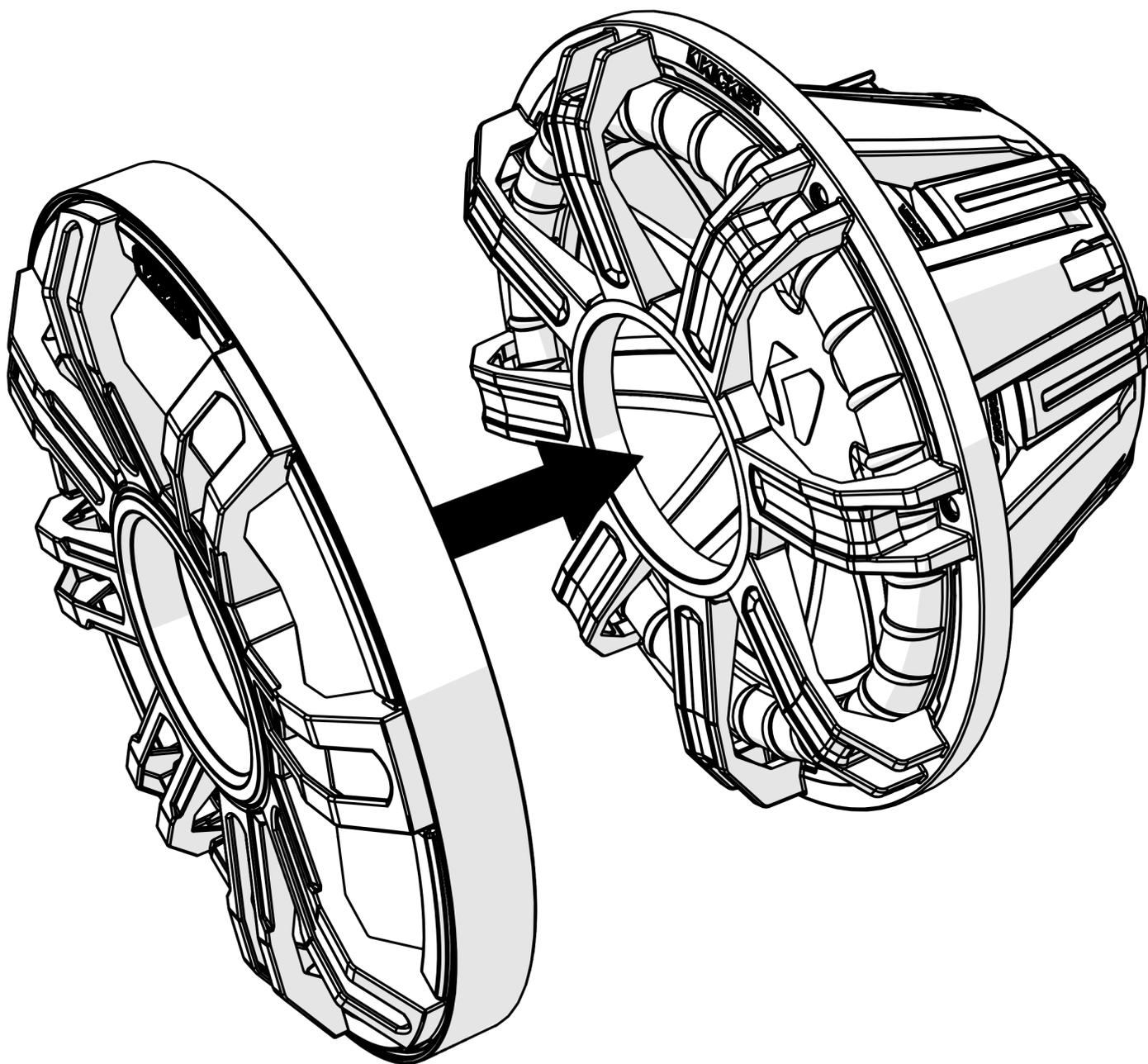


Color Combinations: Splice and combine the ground wires to yield a different color.

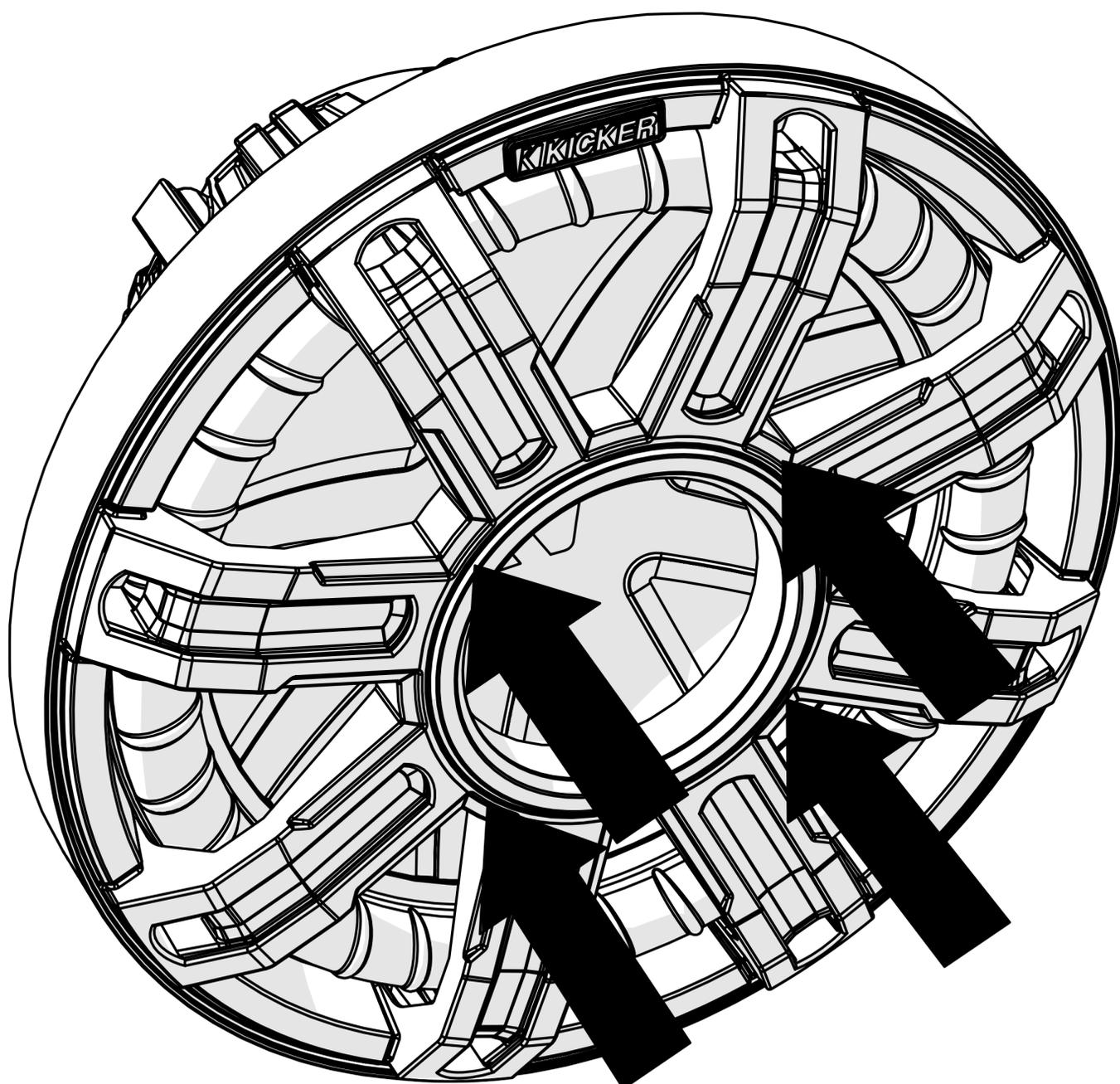
Wires Connected to Negative Terminal	LED Color
Red	Red
Green	Green
Blue	Blue
White	White
Red/Green	Lime Green
Red/Blue	Magenta
Blue/Green	Aquamarine
Red/Green/Blue	Blue-White

Grille Installation

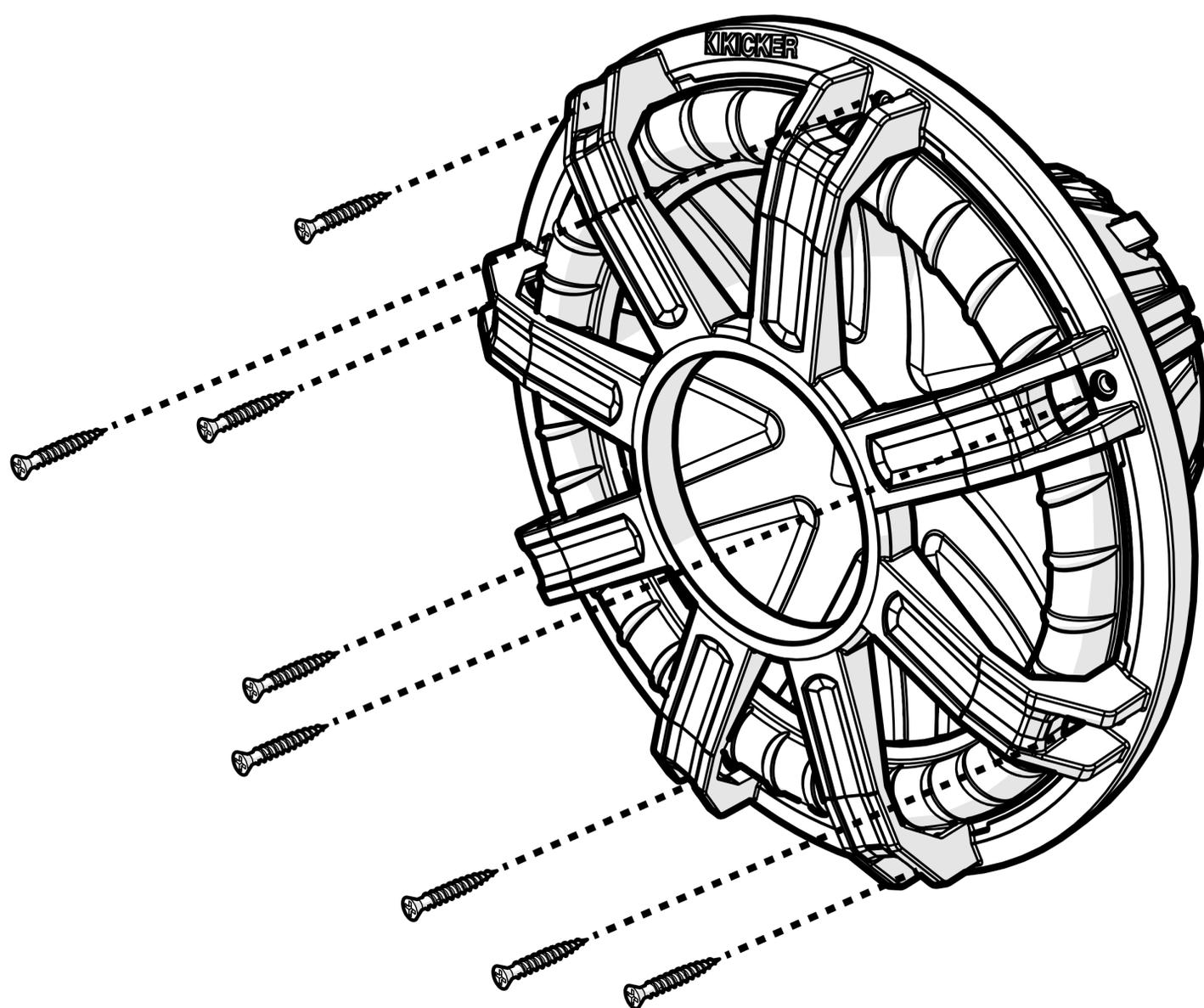
Place the grille on the woofer with the KICKER badge in the desired location.



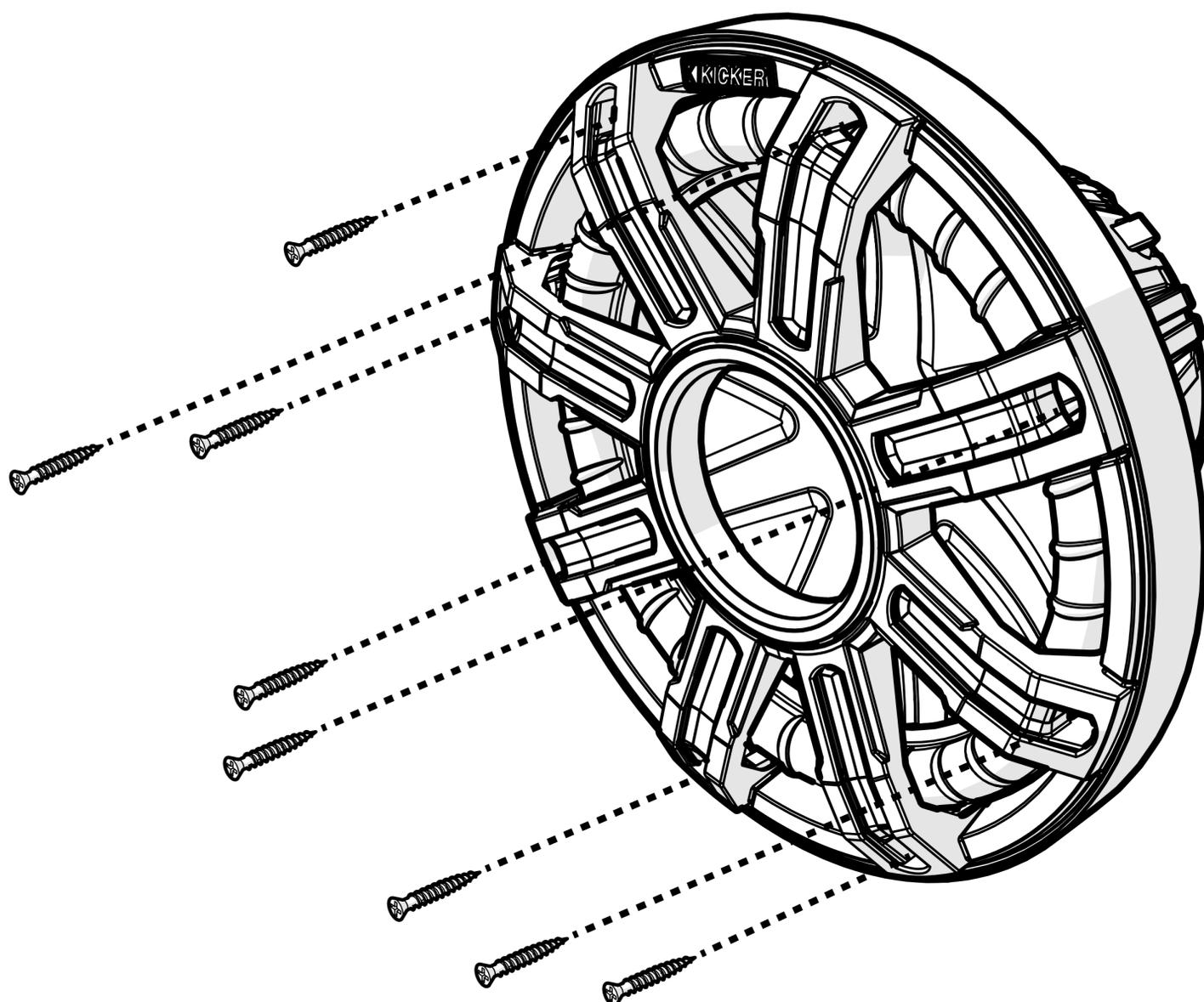
Press in the center of the grille to fully seat the rubber grille damper.



Mounting without grille



Mounting with grille



Free-Air & Infinite Baffle Mounting

The Free-Air subwoofers (MWF10, MWF12) do not require an enclosure, however, it is important to isolate the sound coming off the front of the driver from the sound radiating from the back of the driver. This isolation is usually accomplished by using the driver in a factory speaker location, or in a location with a semi-isolated rear chamber.

The infinite baffle mounting method effectively utilizes the storage space of most boats. Use caution when mounting speakers through any panel of the boat. Please be aware of wiring harnesses, springs, hinges, and folding seat mechanisms that may interfere with the operation of the boat or speaker system. Mark the panel for the hole cut-out diameter of the subwoofer and cut the hole.

Pro Tip: MWF subwoofers should **not** be mounted adjacent to a coaxial or component speaker, especially if they share a common air space. This can result in woofer excursion substantially modulating the full-range or mid-range speaker's cone, negatively affecting the speaker's operation and or even leading to failure of the speaker. *Ensure that the MWF subwoofer and speaker are operating in separate cavities/air volumes.*

After determining the best mounting locations, carefully check the areas where the mounting hardware will be placed. If a mounting location does not already exist, cut a hole in the desired location using the templates from the [MW product page](#) at KICKER.com. If necessary, pre-drill the mounting screw holes using a 7/64" (2.5mm) bit following the template.

Use masking tape to help prevent damage to the paint in the locations to be cut or drilled. If the subwoofer cut-out locations require you to cut metal, avoid structural metal and braces.

Make sure the mounting hardware will not puncture the fuel cell, wiring, or interfere with any mechanical parts on the underside of the mounting surface. If the supplied hardware is not applicable to your installation, some other means of securely attaching the speakers to the boat must be used.

Enclosure Mounting

MWE subwoofers perform well in any size enclosure between the minimum and maximum volume recommendations. These systems will exhibit benefits of both designs: Smaller enclosures will produce tight punchy bass, while the larger enclosures will deliver extended low-frequency performance.

These enclosure recommendations have been calculated with the airspace inside the enclosure and include the displacement of the woofer.

Minimum Sealed

Model	Volume ft ³ (L)	Min/Max Power Handling
<i>MWE10</i>	1.00, 28.3	200–400
<i>MWE12</i>	1.25, 35.4	225–450

Maximum Sealed

Model	Volume ft ³ (L)	Min/Max Power Handling
<i>MWE10</i>	2.4, 68	200–400
<i>MWE12</i>	3.5, 99.1	225–450

Use 3/4" (1.9cm) or thicker Marine Grade Plywood and seal the joints with silicone. Use the "template" inside your MWE subwoofer's shipping carton to mark the mounting hole, then cut directly on the line. These designs need internal bracing. Add triangular bracing between each of the larger unsupported panels.

All of the cubic feet (L) measurements in this manual include the displacement of the woofer.

Panel Dimensions for Minimum Sealed Enclosures using 3/4" (1.9cm) thick MDF:

	<i>MWE10</i>	<i>MWE12</i>
Volume ft ³ [L]	1, 28.3	1.25, 35.4
Panel A in. [cm]	13.5x13.5, 34.3x34.3	14.5x14.5, 36.8x36.8
Panel B in. [cm]	13.5x12, 34.3x30.5	14.5x13, 36.8x33
Panel C in. [cm]	12x12, 30.5x30.5	13x13, 33x33

Vented Enclosure Port dimensions:

Vented Minimum	<i>MWE10</i>	<i>MWE12</i>
Box Volume, ft ³ [L]	1.25, [35.4]	1.75, [49.6]
Port Opening, in. x in. [cm x cm]	1.5x10.5, 3.8x26.7	2x12.5, 5.1x31, 8
Port Length, in. [cm]	14.5, 36.8	16, 40.6
Power Handling, RMS	200–400	225–450
Vented Maximum	<i>MWE10</i>	<i>MWE12</i>
Box Volume, ft ³ [L]	1.75, 49.6	2.25, 63.7
Port Opening, in. x in. [cm x cm]	1.5x10.5, 3.8x26.7	2x12.5, 5.1x31.8
Port Length, in. [cm]	13.25, 33.7	16.375, 41.6
Power Handling, RMS	200–400	225–450

For the vented enclosures the displacement of the port must be calculated and added to the internal volume of the final design. Use the outer dimensions of the port and multiply "X x Y x Z", convert to cubic feet, for example the MWE10 vented minimum design's external port dimensions are, using 3/4" (1.9cm) Marine Grade Plywood:

$$[(1.5'' + 1.5'' \text{ total wall thickness}) \times (10.5'' + 1.5'' \text{ total MDF wall thickness}) \times 14.5''] \times (1 \text{ ft}^3 / 1728 \text{ in}^3) = .30 \text{ ft}^3$$

add this number to the internal volume of the enclosure, which for the MWE10 is 1.25 ft³

$$1.25 \text{ ft}^3 + .30 \text{ ft}^3 = 1.55 \text{ ft}^3.$$

Due to the necessary length of these ports, you may want to fold the port along the bottom and back walls. It will be impractical to use round ports for these designs. The displacement of the port must be calculated and added to the internal volume of the final design.

The dimensions for X, Y, and Z may vary based on the thickness of the material used to make the port. Do not install a port opening against a solid surface, such as an internal brace, back-panel or structural wall, seat or interior panel of your boat. The port opening must remain unobstructed. Use the smallest dimension of the rectangular port as the minimum amount of space between the port opening and any solid surface to insure unrestricted airflow.

For more advice on box building, refer to your Authorized Kicker Dealer, or click on the Support tab on the Kicker homepage, **www.kicker.com**. Please e-mail support@kicker.com or call Technical Support at (405) 624-8583 for specific or unanswered questions.

Warranty

When purchased from an Authorized KICKER Dealer, KICKER warrants this product to be free from defects in material and workmanship under normal use for a period of TWO (2) YEARS from date of original purchase with receipt. If this product is identified as “Refurbished” or “B Goods”, the warranty is limited to a period of THREE (3) MONTHS from the date of original purchase. In all cases you must have the original receipt. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction during the warranty period, KICKER will repair or replace (at its discretion) the defective merchandise with equivalent merchandise. Warranty replacements may have cosmetic scratches and blemishes. Discontinued products may be replaced with more current equivalent products. This warranty is valid only for the original purchaser and is not extended to owners of the product subsequent to the original purchaser. Any applicable implied warranties are limited in duration to a period of the express warranty as provided herein beginning with the date of the original purchase at retail, and no warranties, whether express or implied, shall apply to this product thereafter. Some states do not allow limitations on implied warranties; therefore, these exclusions may not apply to you. This warranty gives you specific legal rights; however you may have other rights that vary from state to state.

WHAT TO DO IF YOU NEED WARRANTY OR SERVICE:

Defective merchandise should be returned to your local Authorized Stillwater Designs (KICKER) Dealer for warranty service. Assistance in locating an Authorized Dealer can be found at www.KICKER.com or by contacting Stillwater Designs directly. You can confirm that a dealer is authorized by asking to see a current authorized dealer window decal.

If it becomes necessary for you to return defective merchandise directly to Stillwater Designs (KICKER), call the KICKER Customer Service Department at (405) 624-8510 for a Return Merchandise Authorization (RMA) number. Package only the defective items in a package that will prevent shipping damage, and return to:

Stillwater Designs
3100 North Husband St
Stillwater, OK 74075

The RMA number must be clearly marked on the outside of the package. Please return only defective components. The return of functioning items increases your return freight charges. Non-defective items will be returned freight collect to you. For example, if a subwoofer is defective, only return the defective subwoofer, not the entire enclosure. Include a copy of the original receipt with the purchase date clearly visible, and a “proof-of-purchase” statement listing the Customer’s name, Dealer’s name and invoice number, and product purchased. Warranty expiration on items without proof-of-purchase will be determined from the type of sale and manufacturing date code. Freight must be prepaid; items sent freight-collect, or COD, will be refused.

WHAT IS NOT COVERED?

This warranty is valid only if the product is used for the purpose for which it was designed. It does not cover:

- o Damage due to improper installation
- o Subsequent damage to other components
- o Damage caused by exposure to moisture, excessive heat, chemical cleaners, and/or UV radiation
- o Damage through negligence, misuse, accident or abuse. Repeated returns for the same damage may be considered abuse
- o Any cost or expense related to the removal or reinstallation of product
- o Speakers damaged due to amplifier clipping or distortion
- o Items previously repaired or modified by any unauthorized repair facility
- o Return shipping on non-defective items
- o Products with tampered or missing barcode labels
- o Products with tampered or missing serial numbers
- o Products returned without a Return Merchandise Authorization (RMA) number
- o Products purchased from an UNAUTHORIZED dealer
- o Freight Damage
- o The cost of shipping product to KICKER
- o Service performed by anyone other than KICKER

HOW LONG WILL IT TAKE?

KICKER strives to maintain a goal of one-week service for all acoustics (subwoofers, midrange drivers, tweeters, crossovers, etc) returns. Delays may be incurred if lack of replacement inventory or parts is encountered. Failure to follow these steps may void your warranty. Any questions can be directed to the KICKER Customer Service Department at (405) 624-8510. Contact your International KICKER dealer or distributor concerning specific procedures for your country’s warranty policies.

Garantía | Garantie

Contact your International KICKER dealer or distributor concerning specific procedures for your country's warranty policies.

Our goods come with guarantees that cannot be excluded under the **Australian Consumer Law**. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

GARANTÍA INTERNACIONAL **Versión Español**

Comuníquese con su concesionario o distribuidor KICKER internacional para obtener información sobre procedimientos específicos relacionados con las normas de garantía de su país.

La frase "combustible para vivir la vida Livin' Loud™ a todo volumen" se refiere al entusiasmo por la vida que la marca KICKER de estéreos de automóvil representa y a la recomendación a nuestros clientes de que vivan lo mejor posible ("a todo volumen") en todo sentido. La línea de altavoces y amplificadores KICKER es la mejor del mercado de audio de automóviles y por lo tanto representa el "combustible" para vivir a todo volumen en el área de "estéreos de automóvil" de la vida de nuestros clientes. Recomendamos a todos nuestros clientes que obedezcan todas las reglas y reglamentos locales sobre ruido en cuanto a los niveles legales y apropiados de audición fuera del vehículo.

INTERNATIONALE GARANTIE **Deutsche Version**

Nehmen Sie mit Ihren internationalen KICKER-Fachhändler oder Vertrieb Kontakt auf, um Details über die Garantieleistungen in Ihrem Land zu erfahren.

Der Slogan "Treibstoff für Livin' Loud" bezieht sich auf die mit den KICKER-Autostereosystemen assoziierte Lebensfreude und die Tatsache, dass wir unsere Kunden ermutigen, in allen Aspekten ihres Lebens nach dem Besten ("Livin' Loud") zu streben. Die Lautsprecher und Verstärker von KICKER sind auf dem Markt für Auto-Soundsysteme führend und stellen somit den "Treibstoff" für das Autostereoerlebnis unserer Kunden dar. Wir empfehlen allen unseren Kunden, sich bezüglich der zugelassenen und passenden Lautstärkepegel außerhalb des Autos an die örtlichen Lärmvorschriften zu halten.

GARANTIE INTERNATIONALE **Version Française**

Pour connaître les procédures propres à la politique de garantie de votre pays, contactez votre revendeur ou distributeur International KICKER.

L'expression "carburant pour vivre plein pot" fait référence au dynamisme de la marque KICKER d'équipements audio pour véhicules et a pour but d'encourager nos clients à faire le maximum ("vivre plein pot") dans tous les aspects de leur vie. Les haut-parleurs et amplificateurs KICKER sont les meilleurs dans le domaine des équipements audio et représentent donc pour nos clients le "carburant pour vivre plein pot" dans l'aspect "installation audio de véhicule" de leur vie. Nous encourageons tous nos clients à respecter toutes les lois et réglementations locales relatives aux niveaux sonores acceptables à l'extérieur des véhicules.

P.O. Box 459

Stillwater, Oklahoma 74076

USA

(405) 624-8510

 **stillwaterdesigns**