OPERATION • NOTICE D'EMPLOI

CERWIN-VEGA!®

MOBILE AUDIO COMPONENT TWEETER

V-MAX

V-MAX1.0

BEDIENUNGSANLEITUNG • USO • FUNCIONAMIENTO

Attention!

Please read all warnings found in this manual. This information is highlighted in bold italic type and is included to inform you of the potential for personal injury or damage to property.

Hearing Damage

Continuous, excessive exposure to sound pressure levels in excess of 85 dB can cause a loss of hearing. Cerwin-Vega! speakers are capable of producing sound pressure levels greater than 85 dB.

Volume And Driver Awareness

Use of Cerwin-Vega! speakers can impair your ability to hear necessary traffic sounds and may constitute a hazard while driving. We recommend using low volume levels when driving your vehicle.

Cerwin-Vega! accepts no liability for hearing loss, bodily injury, or property damage as a result of use or misuse of this product.

Attention !

Prenez connaissance de tous les avertissements contenus dans ce manuel. Ces informations, présentées en caractères gras, sont destinées à vous avertir en cas de risque de blessure ou de dégâts matériels.

Danger pour l'ouïe

Une exposition continue et excessive à des niveaux sonores dépassant 85 dB peut entraîner une baisse de l'acuité auditive. Les haut-parleurs Cerwin-Vega! sont capables de produire des niveaux sonores dépassant 85 dB.

Volume sonore et vigilance au volant

L'écoute de haut-parleurs Cerwin-Vega! peut vous empêcher d'entendre des bruits de circulation que vous devriez entendre et risque de présenter un danger pendant la conduite. Nous vous recommandons d'écouter à des niveaux réduits lorsque vous conduisez.

Cerwin-Vega! ne saurait être tenue responsable de toute baisse d'acuité auditive, blessure ou dégât matériel résultant de l'utilisation normale ou abusive de ce produit

Installing the Tweeters

Each V-MAX tweeter is housed in an attractive surface-mount enclosure with grill, and comes with a separate 12 dB per octave passive crossover network. Flush-mounts kits are also included.

Flush Mounting Tweeters

To flush-mount tweeters, first remove panels at each selected site. Make sure there is minimum mounting depth of 1 3⁄8" (35 mm) behind each panel.

1. At a chosen site, use the enclosed template to create a hole for the flush-mount cup. Insert the tweeter into the cup from the rear and press it in until it stops. Insert the flush-mount cup (and tweeter) into the opening (see Figure 1).
2. Route the tweeter's wires through the panel opening. (see Figure 1).
3. Press the cup (and tweeter) towards the clip and use supplied machine screw to fasten clip to rear of tweeter. Connect each tweeter's wires to the crossover pigtail (from the side that says "output") and re-install the panel.

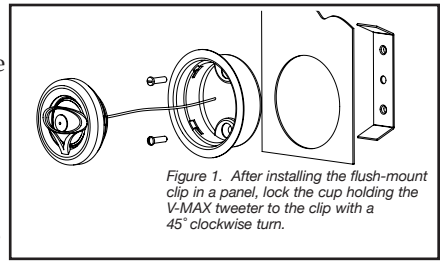

Figure 1. After installing the flush-mount clip in a panel, lock the cup holding the V-MAX tweeter to the clip with a 45˚ clockwise turn.

Surface Mounting Tweeters

1. At the chosen site, use the surface-mount bracket (with two holes) or template to mark locations of mounting holes. A 5⁄16" (8 mm) diameter feed-through hole is required to pass the tweeter wires and pre-attached terminals. Make sure the proposed hole will not extend beyond the tweeter's boundary.
2. Use a hole punch to create drilling guides. Clear away any carpet or other material prior to drilling. Use a drill with a 5⁄16" (8 mm) bit to create the feed-through hole at each tweeter location. Then use a 1⁄8" (3 mm) bit to drill two mounting holes.
3. Fasten each surface-mount plate with supplied screws. Connect each tweeter's wires to the crossover pigtail from the side that says "output". (see *Electrical Installation*).
4. Carefully align the openings on the back of each tweeter with the tabs on the surface-mount bracket. Turn each tweeter 45˚ clockwise to lock it into place (see Figure 2).

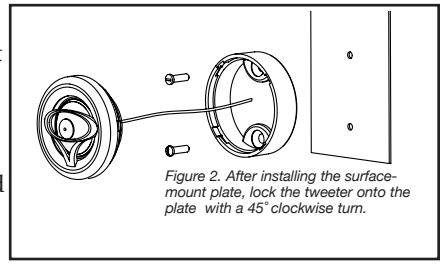

Figure 2. After installing the surface-mount plate, lock the tweeter onto the plate with a 45˚ clockwise turn.

Angled Surface Mounting Tweeters

1. Follow the steps above listed under surface mount tweeters (see Figure 3).

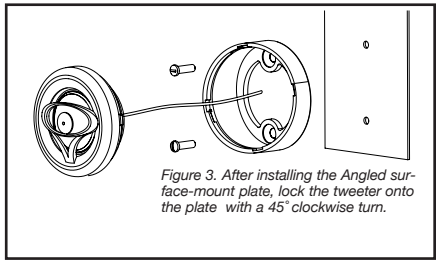

Figure 3. After installing the Angled surface-mount plate, lock the tweeter onto the plate with a 45˚ clockwise turn.

Electrical Installation

Wiring Precautions

Whenever you run wires through sheet metal, use grommets to properly insulate the metal edges from cable jackets. This technique prevents chafing and possible short circuits that could damage an amplifier or other system

electronics.

Note: Always use crimp-type terminals when connecting speakers. Soldering to the terminals can detach the internal lead wire from the terminal, causing the speaker to fail.

General Notes

Although the tweeter has a titanium composite, excessive exposure to moisture can damage the tweeter or terminal connections. Always reseal the plastic liner inside the door. If the liner is damaged, it can be repaired with a few pieces of clear tape. If no liner was installed by the manufacturer, then purchase standard plastic deflector cups and install them over the rear of the midwoofer. Keep in mind that constant door slamming can loosen the tweeter from its installation site.

System Wiring Diagram

When making connections, be sure to observe correct polarity (+ to + and - to -). When connecting tweeters, make sure each one is hooked up directly to an enclosed V-MAX crossover.

CAUTION: Do not apply power to the tweeters without first installing the supplied crossovers.

System Test and Imaging

After all connections have been made, turn on the audio system power and slowly increase the volume while playing a favorite music track. If you don't hear anything, turn off the power, check all connections, and reapply power. If the problem persists, contact your Cerwin-Vega! dealer for additional help.

Assuming the system is working properly, listen to the sound imaging. You should hear a strong sound image in the phantom center between the two tweeters. If not, the system may be wired with reverse polarity. Turn off the power and check the wiring at each connection.

SPECIFICATIONS / FICHE TECHNIQUE

V-MAX 1.0

Description	*25 mm Component Tweeter System*
Freq. Response/ Rép. fréq. (+/-3dB)	*3 kHz - 22 kHz*
Power Handling/ Gestion de puissance	
Maximum music	*100 Watts*
RMS	*50 Watts*
Sensitivity/ Sensitibilité (1w/1m)	*91 dB*
Impedance/ Impédance	*4 ohms nominal (nominale)*
Dimensions (tweeter) (flush/encastré)	*2" (50 mm)*
(semi-flush/ semi-encastré) Depth/Prof. (max.)	*3/4" (19 mm)*

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