



S-1S



L-1A

L-1A ALUMINUM DOME TWEETER

S-1S SILK DOME TWEETER

Application Guide



Thank you and Congratulations

Congratulations on your purchase of Powerbass Autosound tweeters. You now own a high fidelity speaker of uncompromising design and engineering from a factory that truly believes in the relentless pursuit of perfection. Incorporating the highest quality parts and state-of-the-art materials, these tweeters display the ultimate balance between high fidelity, performance and long-lasting reliability.



At PowerBass USA, Inc. we are confident you will have many years of outstanding enjoyment from this great SPEAKER investment. For maximum performance we recommend that you have your new PowerBass Autosound product installed by an Authorized PowerBass Autosound Dealer.

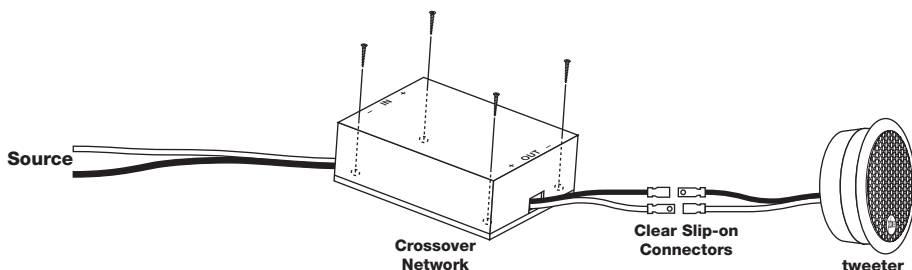
To learn more about PowerBass, please visit us on the World Wide Web at
<http://www.powerbassusa.com>

Δ Warning Δ

Continuous exposure to sound pressure levels in excess of 100 dB can cause permanent hearing loss. PowerBass Autosound Speakers are capable of producing sound pressure levels well over 170 dB. Please observe all local sound ordinances while listening to your PowerBass Autosound system. PowerBass USA, Inc. accepts no liability for hearing loss, bodily injury, or property damage due to the result of use or misuse of this product.

WIRING

Your PowerBass Autosound Tweeters come complete with two (2) in-line 12dB/octave crossovers that have been computer optimized especially for use with your tweeters. These crossover networks have color coded (red/black) speaker wiring permanently attached. After finding the best location for the crossovers, route the wiring to the radio (or source unit) and to the tweeter mounting location. Join the short wires from the tweeter to the wires from the **OUT** side of the crossover, using the clear insulated slip on connectors. Make sure the male/female connections fit securely. Please be sure to observe the colored wires to ensure proper polarity. Be careful the wiring for the crossover does not interfere with the window mechanism, door locks, etc. The wiring that goes to the source can be connected as required.

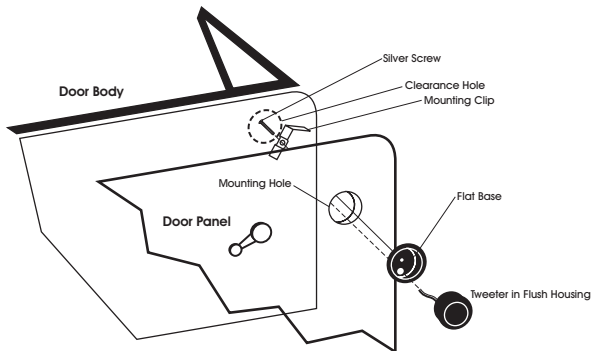


NOTE: The tweeter must be wired to the side labeled OUT from the crossover network. Failure to do so will damage the tweeter.

INSTALLATION PROCEDURES

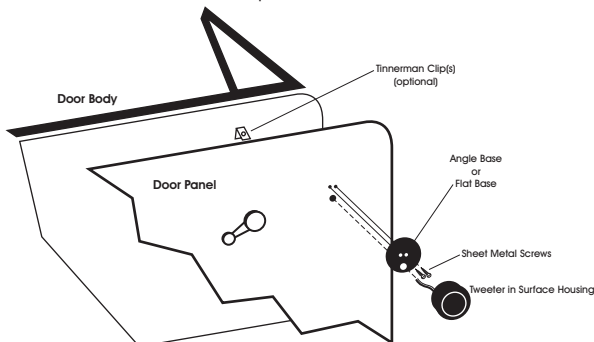
By mounting the tweeter separately from the woofer (or mid-range driver) the installer can choose the best location for sound quality and imaging. Three mounting types are possible allowing more versatility for the tweeter location. These are flush mount, surface mount, and angle mount.

FLUSH MOUNTING (Type A) The best location for the tweeter is usually high up on the door and as far forward as possible without interference from the dashboard. If the desired location is flat and space behind the door panel allows the use of the flush mount housing, follow the drawing as shown below:



After checking for clearance, cut the mounting hole in the door panel (see Tweeter Specifications for hole size). Mount the Flat Base from the outside with the mounting clip on the inside of the door panel. Secure the mounting clip to the Flat Base with the long silver screw provided.

SURFACE/ANGLE MOUNTING (Type B and C) If mounting the tweeter on the surface works out best, refer to the following drawing to see how to best mount the tweeter. Black sheet metal screws have been provided to attach the surface base to the door panel.

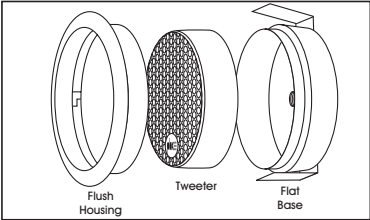
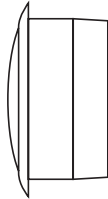


POWERBASS COMPONENT TWEETERS

These high quality tweeters come complete with several mounting housings for installation versatility. Typically tweeters should be mounted on axis and as close to ear level as possible. After you have chosen the housing to be used, gently press the tweeter in the proper mounting base. Once the tweeter base is mounted, push and “twist” the housing until it locks to the base. Below are exploded views showing the possible types of tweeter mounting.

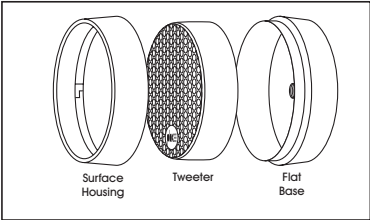
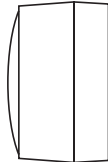
Type A

Flush Mount Tweeter



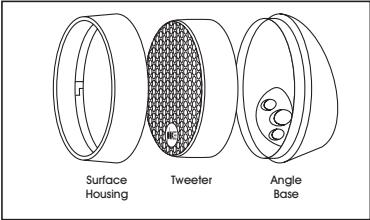
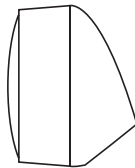
Type B

Surface Mount Tweeter



Type C

Angle Mount Tweeter



SPECIFICATION CHART

CARACTERISTIQUES

ESPECIFICACIONES

Model Modèle Modelo	Size Taille Tamaño	Mounting (Diameter)	Nominal Impedance Impédance Nominale Impedancia Nominal	Frequency Response Bande Passante Respuesta de Frecuencia	Sensitivity Sensibilité Sensibilidad	Mounting Depth Profondeur d'encastrement Profundidad de montaje	Power Puissance Potencia
L-1A	1" (25mm)	1-7/8" (47.69mm)	4 ohm	3.5KHz-21KHz	92dB	0.75" (19.05mm)	50/100 W
S-1S	1" (25mm)	1-7/8" (47.69mm)	4 ohm	3KHz-20KHz	91dB	0.75" (19.05mm)	50/100 W

(due to Constant Improvement, Specification and Parameter are subject to change without notice)

POWERBASS AUTOSOUND LIMITED WARRANTY POLICY

PowerBass USA, Inc. offers limited warranty on PowerBass products under normal use on the following terms:

PowerBass Autosound Speakers are to be free of defects in material and workmanship for a period of one (1) year.

This warranty applies only to PowerBass products sold to consumers by Authorized PowerBass Dealers in the United States of America. Products purchased by consumers from a PowerBass dealer in another country are covered only by that country's Distributor and not by PowerBass USA.

This warranty covers only the original purchaser of PowerBass product. In order to receive service, the purchaser must provide PowerBass with the receipt stating the consumer name, dealer, product and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at PowerBass's discretion and will not be liable for incidental or consequential damages. PowerBass will not warranty this product under the following situations:

- **Speakers received with bent frames or water damage**
- **Abuse such as holes in the cone, surround or ripped spider**
- **Voice coil damage due to amplifier clipping or distortion**
- **Product that has not been installed according to this owners manual**

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for PowerBass any other liability in connection with the sale of this product.

Please call (909) 993-5399 for PowerBass Customer Service. You must obtain an RA# (Return Authorization Number) to return any product to PowerBass. **The RA number must be prominently marked on the outside of the shipping carton or the delivery will be refused.** Please pack your return carefully; we are not responsible for items damaged in shipping. Return the defective product along with a copy of the original dated retail sales receipt, plus \$12.00 for handling and diagnostic evaluation to:

**PowerBass USA, Inc.,
Attn: Returns (RA# _____)
13936 Mountain Avenue, Chino, CA 91710**

Residents of HI, AK and US territories will be charged for return shipping. All inquiries regarding service and warranty should be sent to the above address.

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