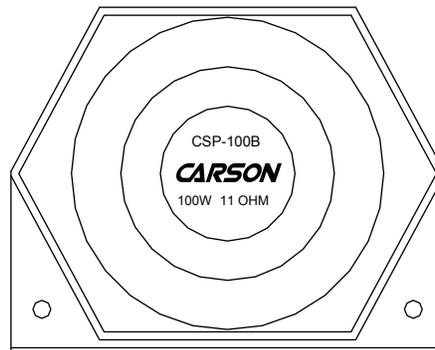


# CARSON

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## CSP-100B LOUDSPEAKER INSTALLATION INSTRUCTIONS



**WARNING**   **Sound Hazard** - Sound level from loudspeaker (>120dBA @ 10 feet) may cause hearing damage. Do not operate system without adequate hearing protection for you and anyone in immediate vicinity. (Ref. OSHA 1910.95 for occupational noise exposure guidelines)

### SPECIFICATIONS

Power Handling	100W
Impedance	11 ohm nominal
Frequency Range	400 Hz to 3500 Hz
Size	6.34" W x 5.10" H x 2.36" D
Weight	6 LBS.

### NOTICE

Due to continuous product improvements, we must reserve the right to change any specifications and information, contained in this manual at any time without notice. Carson Manufacturing Co., Inc. makes no warranty of any kind with regard to this manual, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Carson Manufacturing Co., Inc. shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this manual.

### LIMITED WARRANTY

Carson Manufacturing Company, Inc. warrants this new product to be free from defects in material and workmanship, under normal use and service, for a period of one (1) year from the date of delivery to the first user-purchaser.

During this warranty period the obligation of Carson Manufacturing is limited to repairing or replacing, as Carson Manufacturing may elect, any part or parts of such product which after examination by Carson Manufacturing is determined to be defective in material and/or workmanship. This warranty does not cover labor charges for removal or re-installation of the product. Fuses and lamps are not covered under this warranty. This warranty does not extend to any unit that has been subjected to abuse, misuse, improper installation or which has not been adequately maintained, nor to units which have problems related to service or modification at any facility other than the manufacturer.

THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL CARSON MANUFACTURING COMPANY, INC. BE LIABLE FOR ANY LOSS OF PROFITS OR ANY INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY SUCH DEFECT IN MATERIALS OR WORKMANSHIP.

### RETURN

If you have any questions concerning this or any other Carson product, please contact our **Technical Service Department** at (888) 577-6877. Many issues can be handled over the phone. We can also be reached via e-mail at [service@carson-mfg.com](mailto:service@carson-mfg.com)

If a product must be returned for any reason, please contact our Technical Service Department to obtain a Returned Merchandise Authorization number (RMA#) before you ship the product to Carson. Please write the RMA# clearly on the package near the mailing label. Be sure to provide a return address, contact and phone number, along with a brief description of the problem.

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## INSTALLATION

Proper installation of the unit is essential for years of safe, reliable operation. Please read all instructions **before** installing the unit. Failure to follow these instructions can cause serious damage to the unit or vehicle and may void warranties.

### SAFETY PRECAUTIONS

For the safety of the installer, vehicle operator, passengers and the community please observe the following safety precautions. **Failure to follow all safety precautions and instructions may result in property damage, injury or death.**

**Qualifications** - The installer must have a firm knowledge of basic electricity and vehicle electrical systems.

**WARNING Sound Hazard** - Sound level from loudspeaker (>120dBA @ 10 feet) may cause hearing damage. Do not operate system without adequate hearing protection for you and anyone in immediate vicinity. (Ref. OSHA 1910.95 for occupational noise exposure guidelines)



**Mounting** - DO NOT mount unit in front of air bag sensors. Assure clearances before drilling in vehicle.

**Wiring** - Use wiring capable of handling the current required. Make sure all connections are tight. Route wiring to prevent wear, overheating and interference with air bag deployment sensors.

**Testing** - Test for proper system operation. Test vehicle operation to assure no damage to vehicle.

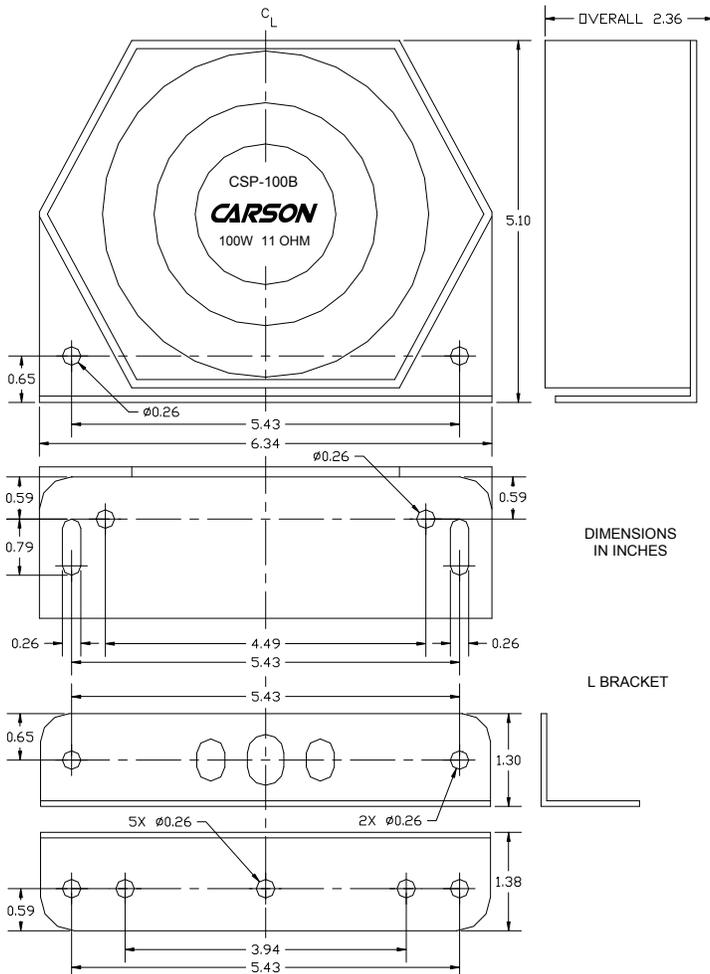
**Keep These Instructions** - Keep instructions in the vehicle or other safe place for future reference. Advise vehicle operator of the location.

### MOUNTING LOCATION

The loudspeaker is weather resistant and is intended to be mounted on the outside of the vehicle or under front hood. Mount the loudspeaker facing forward and as far forward on the vehicle as possible to minimize sound exposure to occupants. Choose a location that minimizes obstructions in front of the loudspeaker to maximize forward sound. Attach the loudspeaker to a sturdy part of the vehicle to prevent vibration and possible damage. Attach the loudspeaker angled slightly toward the road so the front openings will drain off any fluids. Cover openings of loudspeaker while drilling any holes. **DO NOT get metal shavings inside the loudspeaker.**

### ELECTRICAL CONNECTIONS

Connect the loudspeaker as described in amplifier installation manual. Use only high quality crimp connectors.



WHEN WIRING TWO SPEAKERS  
CONNECT SAME COLORS  
FOR MAXIMUM SOUND OUTPUT

