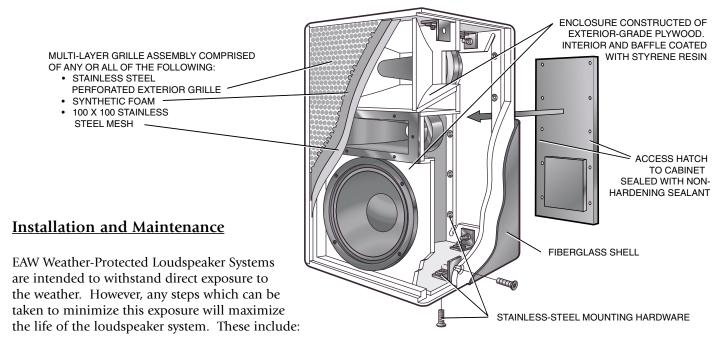


# Installation and Maintenance of Weather-Protected Loudspeaker Systems

Thank you for purchasing an Eastern Acoustic Works Weather-Protected Loudspeaker System. Eastern Acoustic Works designs and manufacturers features into Weather-Protected Loudspeaker Systems to maximize their durability for outdoor use. Some of these features include:



- Select mounting locations that provide some level of shielding from the weather. Examples include balcony overhangs, etc.
- If a dedicated loudspeaker system support structure is to be provided, a simple roof construction can help reduce exposure of the loudspeakers to direct moisture.
- Aim loudspeaker systems in a manner consistent with EAW's recommended use. This will assure that weather-protection features are properly oriented.

NOTE: The warranty on Weather-Protected loudspeakers will be voided if reasonable care is not taken in selecting mounting locations. Locations which channel or direct water onto installed loudspeaker systems will void the warranty.

# **Maintaining Weather-Protection Features**

Care must be taken during installation or maintenance to avoid any measures that could compromise weatherprotection features. Of particular concern are:

#### Mounting hardware

Each product is shipped with a bolt in each available mounting point. Each bolt is sealed with a non-hardening, waterproof, non-locking thread sealant. Any bolts removed during the installation process must be replaced, as an exposed bolt hole provides an opening into the interior of the loud-speaker enclosure. Any bolts removed and replaced during installation must be re-sealed.

In no case should any type of hardware be used to mount the loudspeaker system except for structurally approved stainless-steel hardware which mates into factory-installed mounting points integral to the loudspeaker system.

### Fiberglass shell

Each loudspeaker system must be handled carefully during installation to avoid cracking or perforating the exterior fiberglass shell.

In no case should anything be attached to the loudspeaker shell, except using structurally approved stainless-steel hardware which mates into the factory-installed mounting points integral to the loudspeaker system.

### Grilles

Grilles may be factory attached using screws of varying lengths. Use care when re-attaching grille to ensure that all hardware is returned to the correct locations.

#### **Access Hatches**

Hatches that are removed for any reason must be replaced and sealed with a non-hardening, waterproof, UV-stable sealant suitable for use over the temperature range typical for your geographical location. Sealant must be compatible with the surface being sealed to ensure proper adhesion. Hardware used to secure hatches must be sealed with a non-hardening, non-locking thread sealant.

# **Input Cover Plates**

All cover plates must be in place after connections to the loudspeaker system have been made. Conduit should be connected to cover plates using waterproof fittings. Bolts securing cover plates must be sealed with a non-hardening, non-locking thread sealant.

## Drivers/Transducers

EAW drivers/transducers intended for use in Weather-Protected systems are designed specifically for outdoor applications. Failed units should only be repaired/replaced with factory-authorized parts. When contacting the EAW Service Department, be sure to notify service personnel that the replacement part is for use in a Weather-Protected system.

# **Routine Inspection**

While installed, loudspeakers should be periodically examined and tested to maintain performance and safety. Two main areas for inspection are Acoustical Performance and Structural Integrity. Some of the main inspection points are as follows:

#### **Acoustical Performance**

Loudspeakers should be individually checked by an experienced sound system professional to verify that all drivers are operational.

Please contact the system installer or EAW for further assistance or guidance with testing.

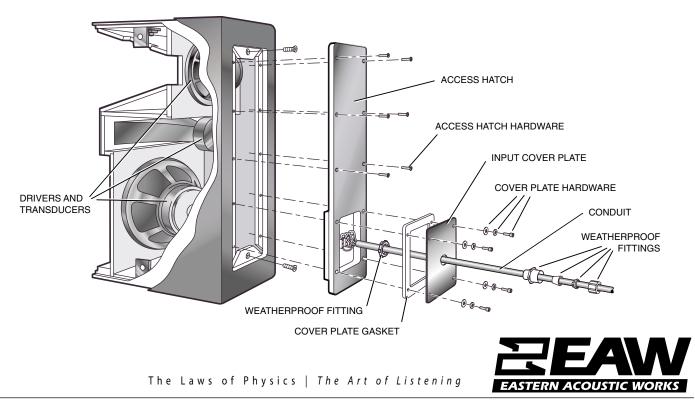
## **Structural Integrity**

Loudspeakers should be periodically examined for signs of physical damage. Specifically, the following should be checked:

- Damage to loudspeaker due to vandalism.
- Deterioration of mounting hardware due to rust or corrosion.
- Damage to weather-protection features due to improper installation or maintenance.
- Any other deterioration of the loudspeaker system including loosening of parts, accessories or attachments which could fall or cause injury.

Failure of any type should be immediately reported to the system installer or Eastern Acoustic Works Service Department.

If you need assistance, please contact Eastern Acoustic Works Service Department at 1-800-992-5013. We will be happy to provide more detailed information on testing, maintenance, installation, or any other aspect of your loudspeaker system.



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