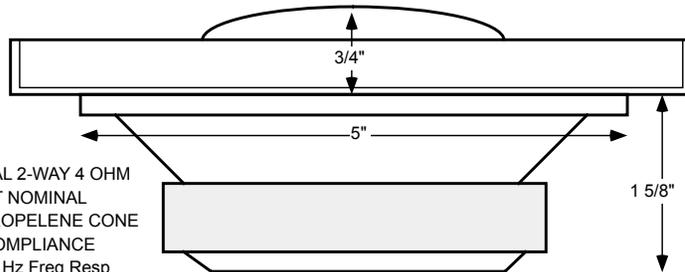
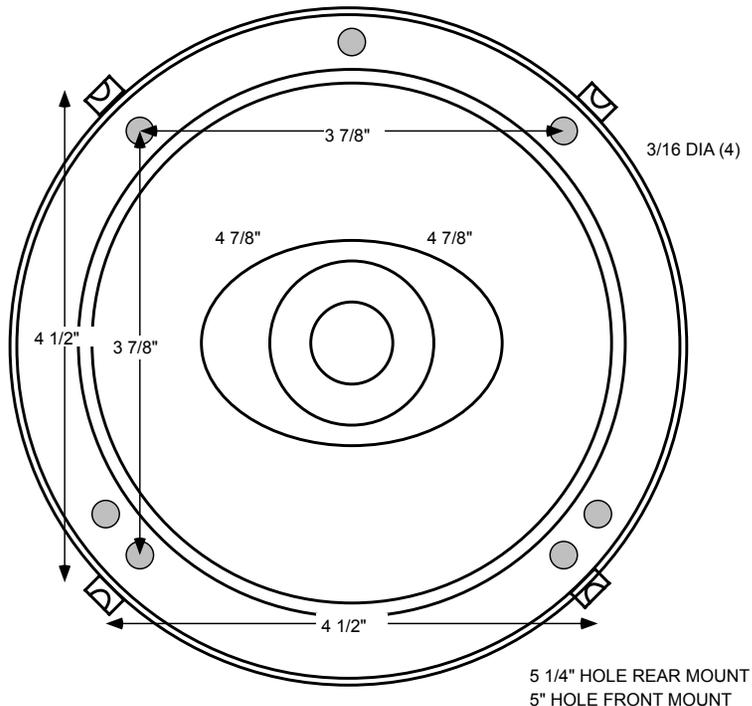


SPEAKER INSTALLATION TIPS

5.5" ALL-WEATHER FLUSH MOUNT



CO-AXIAL 2-WAY 4 OHM
35 WATT NOMINAL
POLYPROPYLENE CONE
HIGH COMPLIANCE
35 - 20K Hz Freq Resp

PIONEER TSG, TSA1645,-46,-47
ALL WEATHER SPEAKER

Stop and Listen Inc

This speaker is provided with a steel grill in addition to the mesh grill that is provided by the factory. When using the steel grill, the speaker is normally mounted on the back of the mounting surface and the steel grill is mounted on the front (uses 5-1/4" mounting hole). It may be necessary to provide a spacer in cases where the mounting surface is not thick enough to provide clearance for the tweeter.

When using the factory mesh grill, both the speaker and the grill are mounted from the front (5" mounting hole). The mesh screen is popped out of the front of the plastic bezel to access the screw holes.

An effective grill can also be created by drilling a 'Starburst' pattern of small holes in the mounting surface itself to allow the sound to come through. Use enough 1/8" or 3/16" holes that the sound isn't restricted.

Ensure the speaker flange is acoustically 'sealed' to the mounting surface or it will sound weak and inefficient. This happens when air pressure generated at the front of the speaker 'short-circuits' around the mounting flange rather than being projected forward.

To help prevent small objects from being poked into the speaker, place a small square of speaker cloth between the steel grill and the enclosure prior to mounting the grill. It can be held in place by cutting small slots in the fabric corresponding to the mounting holes in the grill.

A thread-locking compound and/or tamper-proof fasteners should be used to discourage tampering. Overtightening fasteners may damage the speaker by distorting the mounting flange.

In most cases speaker polarity is not important. In cases where multiple speakers are to be used, correct polarity should be observed and speakers should be connected in 'parallel'. Select Location - best is 'Line of Sight' with the listener. Never mount the speaker pointing upwards at an angle that water will collect in the speaker cone.

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