

In Wall  
Mounting Kit  
with Grille

## CK320•CK340•CK350 Installation Guide



## Installation

The following instructions are for installing the XLS320, XLS340, and XCS350 Loudspeaker Systems into the wall using the optional CK320, CK340 and CK350 In Wall Mounting Kits with Grilles. The CK320, CK340 and CK350 Kits share a common mounting procedure with a varying number of mounting brackets and fasteners used to install each Loudspeaker Model.

Before proceeding with these instructions refer to the XLS320, XLS340 and XCS350 Owner's Manual sections including "Unpacking the Loudspeaker" starting on page 10, to "Locating the Loudspeaker System" on page 18, "Tweeter Array Optimization" on page 19 and "How to Connect" starting on page 20, before beginning the Mounting Process. It is recommended that the Professionals at your McIntosh Dealer, who are skilled in all aspects of installation and operation, install the Loudspeaker System and any associated audio/video equipment.

*Caution: Due to the size and weight of the XLS340 and XCS350 Loudspeakers, two or more persons may be required to install them safely.*

### Unpacking the Loudspeaker

Unpacking the XLS320, XLS340 and XCS350 Loudspeaker by referring to the instructions contained in the Owner's Manual starting on page 10. Then perform the following steps:

1. Place the Loudspeaker System, with the front facing down, on top of the packing material located on top of the shipping carton as illustrated in the Owner's Manual.
2. Using the supplied Allen Wrench, remove the screws at locations illustrated in figure 1.

*Note: The XCS350 Loudspeaker requires removal of the Stabilizer Bar and replacement of the three screws used to attach the Stabilizer Bar, with screws of the same type but shorter in length (supplied with the XCS350) to prevent air leaks.*

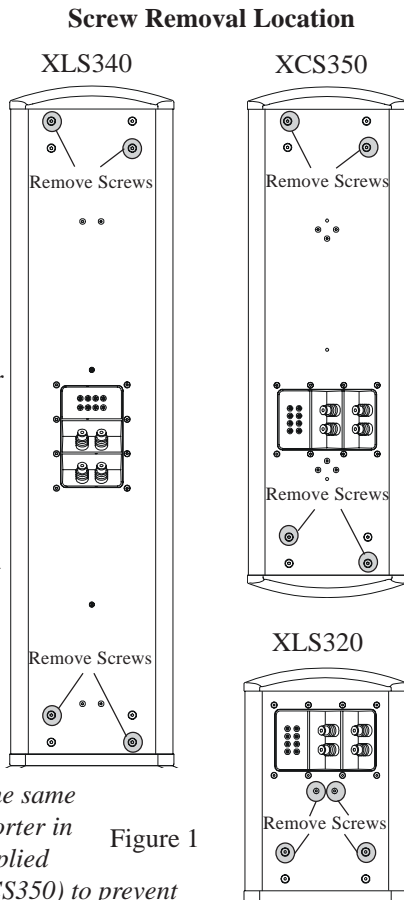


Figure 1

### Installing the Loudspeaker System

The XLS320, XLS340 and XCS350 Loudspeakers' Smooth Frequency Response may be altered by a large object(s) located in the sound waves path or by locating the Loudspeaker too close to a side wall. There should be an unobstructed area in front of the Loudspeaker of at least 15 degrees either top or bottom from the center axis and 30 degrees side to side for the best performance. Refer to figures 2 and 3.

3. Use a suitable wall stud finder or metal detector to verify a proper mounting location for the Loudspeaker System before cutting into the wall. The XLS320 and XLS340 are designed for mounting between vertical wall studs with 16 inch (40.64cm) centers. Refer to figure 4. The XCS350 is designed for mounting horizontally in a special prepared opening. Refer to figure 5.

*Note: Make sure there are no Plumbing Pipes, AC Electrical Wiring or Heating/Cooling Ductwork in the wall between the studs where the Loudspeaker is to be mounted.*

4. For the XLS320 and XLS340, cut an opening in the existing finished wall using the dimensions in the figure 6 Chart. The In Wall Mounting Bracket(s) can be oriented for anchoring the Bracket to the wall stud either on the left or right hand side of the Loudspeaker. Refer to the Top Inside Views in figures 7 and 8.

*Note: The In Wall Bracket(s) must be secured to a wall stud on one side, with the other side clamped to the dry wall. In new construction the Loudspeaker Mounting Bracket(s) should be secured to wall studs on both sides.*

5. To mount the XCS350 Horizontally requires wall con-

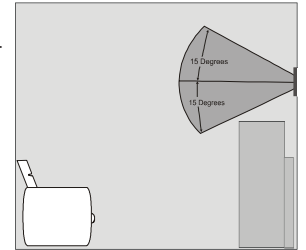


Figure 2

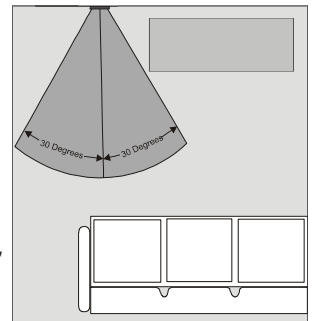


Figure 3

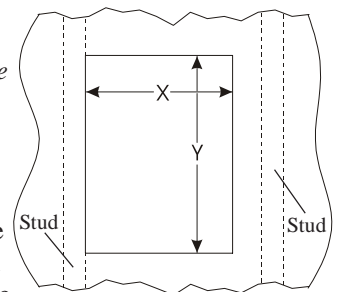


Figure 4

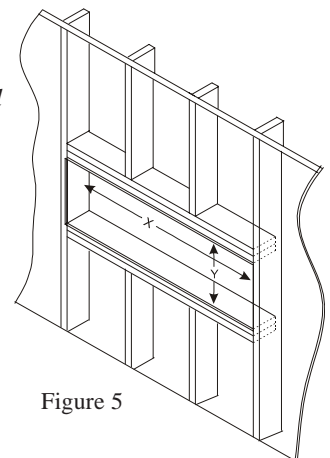


Figure 5

Cut Out Dimensions		
In-Wall kit	X	Y
CK320	11-7/8 inches* 30.16cm	15-15/16 inches 40.48cm
CK340	11-7/8 inches* 30.16cm	44-5/8 inches 113.36cm
CK350	34-5/8 inches 87.96cm	11-3/16 inches 28.42cm

\* For new construction, place studs on a 12-15/16 inch center with a dry wall cutout opening of 11-3/16 inches 28.42cm

Figure 6

struction of a specially prepared opening with the dimensions in the figure 6 Chart.

- Attach the single bracket for the XLS320 to the rear of the Loudspeaker using the supplied machine screws. Refer to figures 1 and 10.
- Attach two brackets to the rear XLS340 and XCS350 Loudspeaker using the supplied machine screws. Refer to figures 1 and 11.
- For the XLS320, attach the wall clamp to the rear of the bracket (left or right side) with the two machine screws, lock washers and flat washers, rotate the screws several turns into the clamp. Refer to figures 10 and 12.

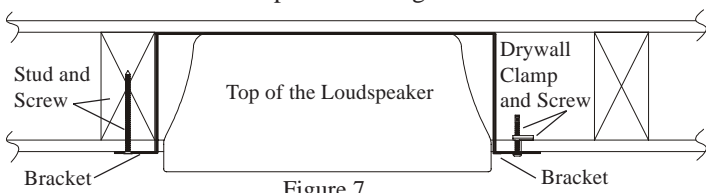


Figure 7

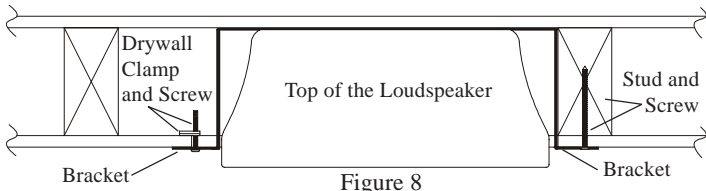


Figure 8

*Note: If new construction is applicable (with studs on 12-15/16 inch centers) skip this step and proceed to step 14 on the next page.*

- Position the clamp towards the center of the bracket with the screw heads in the "Install" position. Refer to figure 9.

*Note: If you have not already done so, set the Jumpers for Tweeter Array Optimization and connect the hookup cable to the Loudspeaker terminals at this time.*

- For the XLS340 and XCS350, attach the wall clamp to the rear of the brackets (left or right side) with the two machine screws, lock washers and flat washers, rotate the

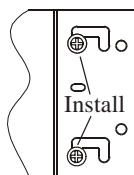


Figure 9

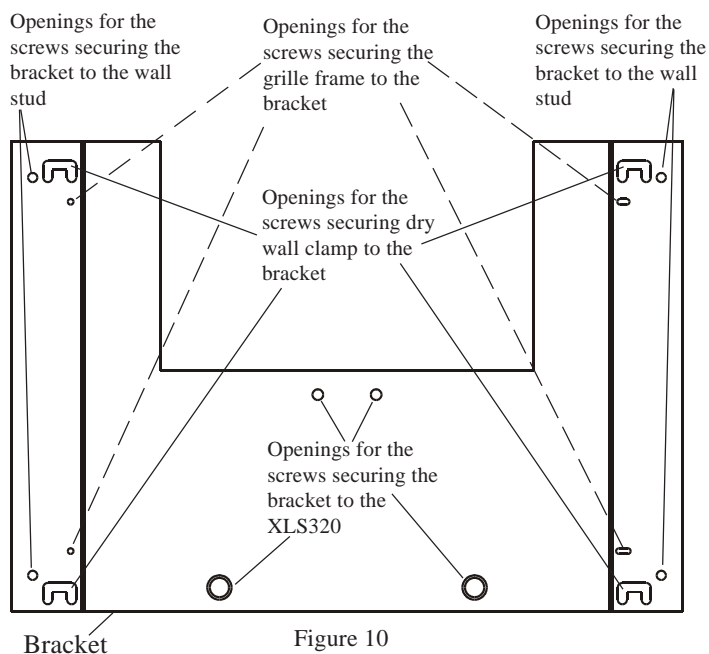
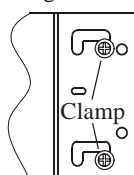


Figure 10

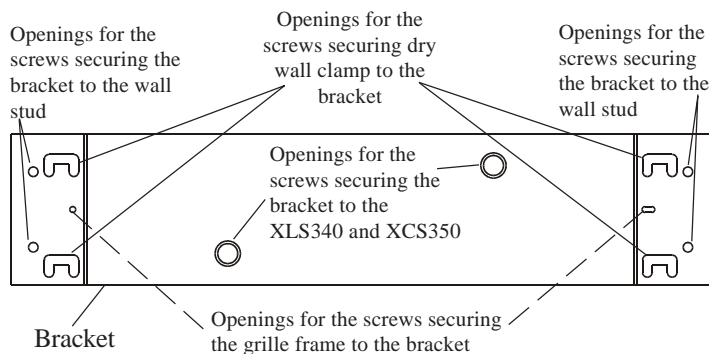


Figure 11

screws several turns into the clamp. Refer to figures 11, 13 and 14.

*Note: If new construction is applicable (with studs on 12-15/16 inch centers) skip this step and proceed to step 14.*

- Position the clamp towards the center of the bracket with the screw heads in the "Install" position. Refer to figure 9.

*Note: If you have not already done so, set the Jumpers for Tweeter Array Optimization and connect the hookup cable to the Loudspeaker terminals at this time.*

- Place the Loudspeaker, with the attached bracket(s), into the prepared wall opening with the side containing the dry wall clamp first.
- Secure the bracket(s) through the wall finish material and into the studs, using the supplied wood screws. Refer to figures 10, 11 and 12.
- On the other side of the bracket, position the clamp to engage the inside of the dry wall with the screws moved to the "Clamp" position and tighten the machine screws

without compressing the dry wall. Refer to figures 9 and 12.

*Note: If new construction is applicable secure the other side of the bracket(s) into the stud using the supplied wood screws instead of the above step.*

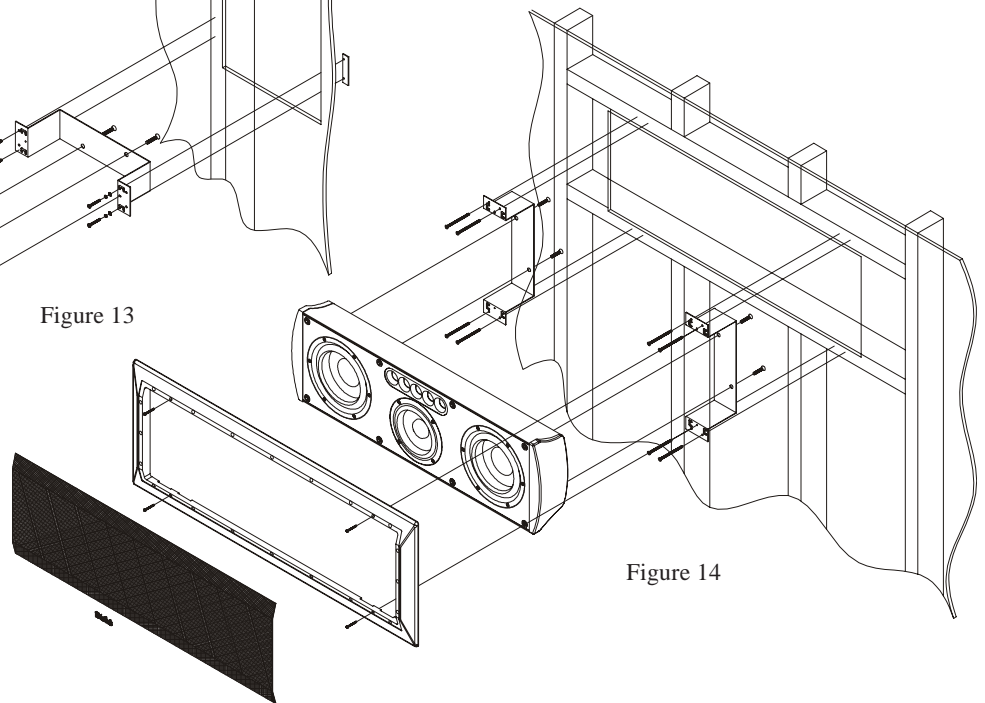
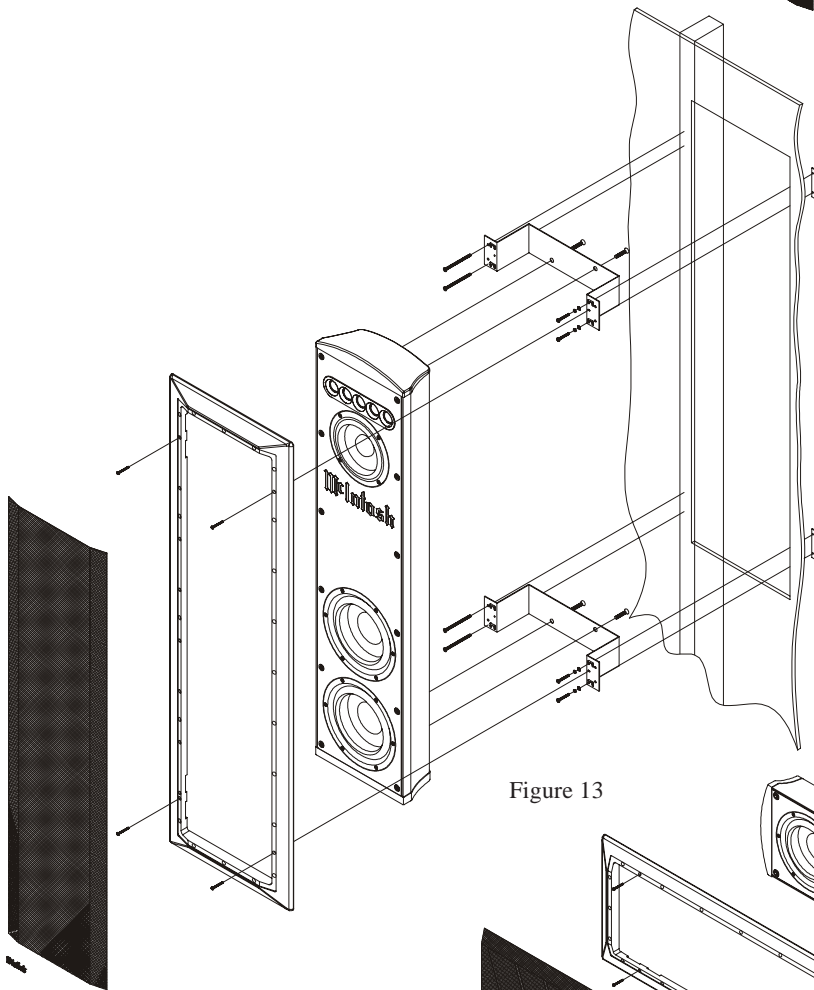
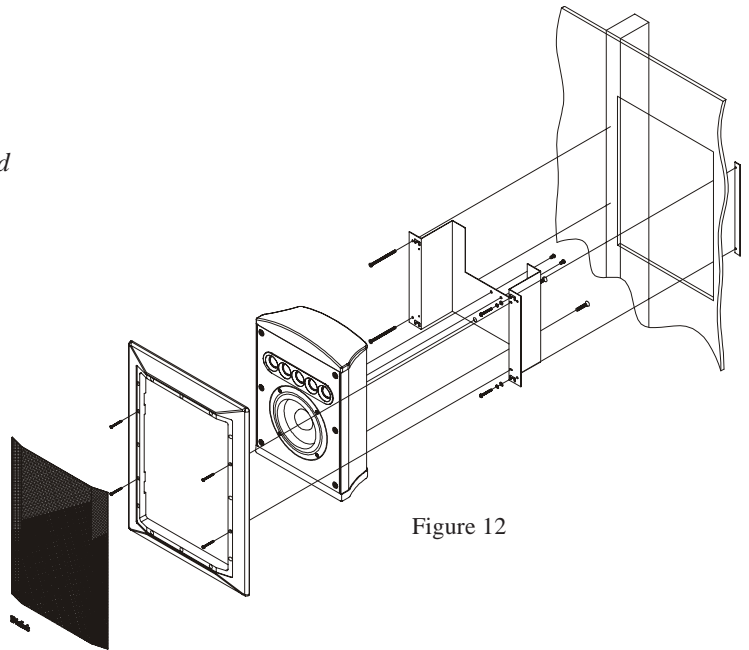
15. Attach the grille frame to the just installed Loudspeaker/ Bracket(s) using the supplied sheet metal screws. Refer to figures 10 and 12 for the XLS320; or 11 and 13 for the XLS340; or 11 and 14 for the XCS350.

*Note: Before tightening the sheet metal screws, check the grille frame position with a leveling device.*

16. Orient the Loudspeaker Grille even with the recessed cut-out of the Loudspeaker Grille Frame. Carefully push in to secure the Grille to the Column.

*Note: The Loudspeaker Grille is held in place with magnets embedded into the Grille Frame.*

17. Attach the supplied McIntosh Logo to the Loudspeaker Grille.



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