

MS-700-S

ENCLOSURE MODIFICATION



PURPOSE

This work instruction describes how to modify the Non-Metallic Classroom Enclosure with Keyed Lock and Latch (AC-3000) to install an AM-3255 MS-700-S Amplifier (Optimum System without Integrated XD Receiver) in place of an AM-0500 MS-500 Optimum Amplifier.

SCOPE

This work instruction only applies when the MS-700-S Amplifier is being installed in an existing Classroom Enclosure with an MS-500 Amplifier.

RESPONSIBILITIES

Installers and other assigned personnel are responsible for following this work instruction when installing the MS-700-S Amplifier in Classroom Enclosures.

REFERENCES

ST-XD-8005 Assembly WI-001098.01

REQUIREMENTS

- Existing Classroom Enclosure
- MS-700-S Amplifier
- Marker
- Drill/Screwdriver
- (2) #8x1/2" self-tapping screws
- Optional AC-3257 MS-700-S Enclosure Modification Kit

QUALITY CONFIRMATION

The Director of Installation and the Vice President of Field Services will verify this WI is being followed.

INSTRUCTIONS

8.1 Installation

1. Remove the MS-500 Optimum Amplifier from the Non-Metallic Classroom Enclosure with Keyed Lock and Latch (*Figure 1*). Replace the metal latch after removing the MS-500 (*Figure 2*).



Figure 1

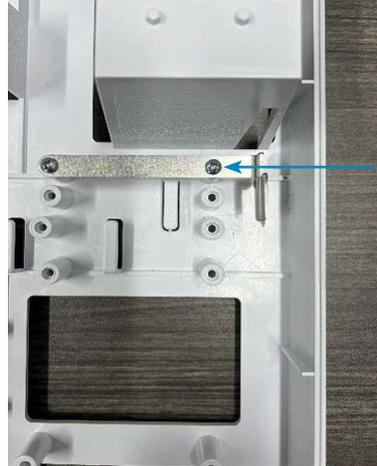


Figure 2

2. Place the MS-700-S Amplifier in the same location in the enclosure where you removed the MS-500. Align it evenly with the right side of the enclosure so it sits straight, not angled (*Figure 3-5*).



Figure 3



Figure 4



Figure 5

3. Make sure the bottom left corner of the MS-700-S abuts against the plastic reinforcement tab as shown (Figure 6 & 7).

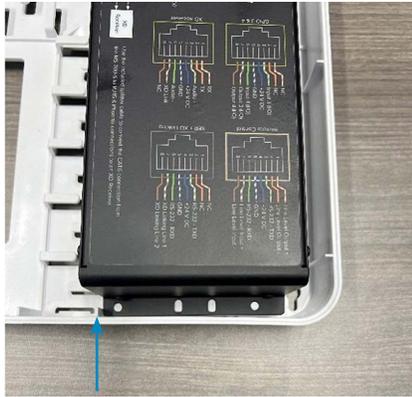


Figure 6



Figure 7

4. Prepare the classroom enclosure for the installation of the MS-700-S.

- a. If you want to drill a hole before installing a self-drilling screw in the plastic housing, mark the position of the third hole from the left on the bottom of the MS-700-S using a marker (Figure 8).

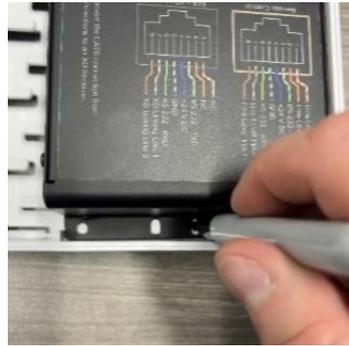


Figure 8

- b. If you have a retrofit kit, remove the MS-700-S, then remove the metal bar and replace it with the metal bar from the retrofit kit.
- c. If you do not have a retrofit kit, mark the position of the third hole from the left on the top of the MS-700-S using a marker (Figure 9). Remove the MS-700-S, then drill a pilot hole with a #29 bit (9/16", 1/8", or something similar) in the metal bar at the marked point (Figure 10 & 11). This allows easier installation of a self-tapping screw. You can also remove the metal bar from the enclosure before drilling. Remove all metal shavings from the enclosure (Figure 12).



Figure 9



Figure 10



Figure 11



Figure 12

- d. Drill the bottom mark in the plastic housing if desired.

5. Reinstall the MS-700-S in its location within the classroom enclosure (Figure 13). Secure it in place using two #8x1/2" self-tapping screws in the third hole from the left on the top and the bottom of the MS-700-S (Figure 14).



Figure 13



Figure 14

6. Installation is now complete and the MS-700-S can be connected (Figure 15).



Figure 15