

# INSTALL INSTRUCTIONS PT-A-909

## PRISONER TRANSPORT INTERCOM SYSTEM

### TOOLS REQUIRED:

Powered Drill  
4 ½" Hole Saw  
Drill Bit Set

Screwdriver Set  
Wire Crimping Tool  
Countersink bit

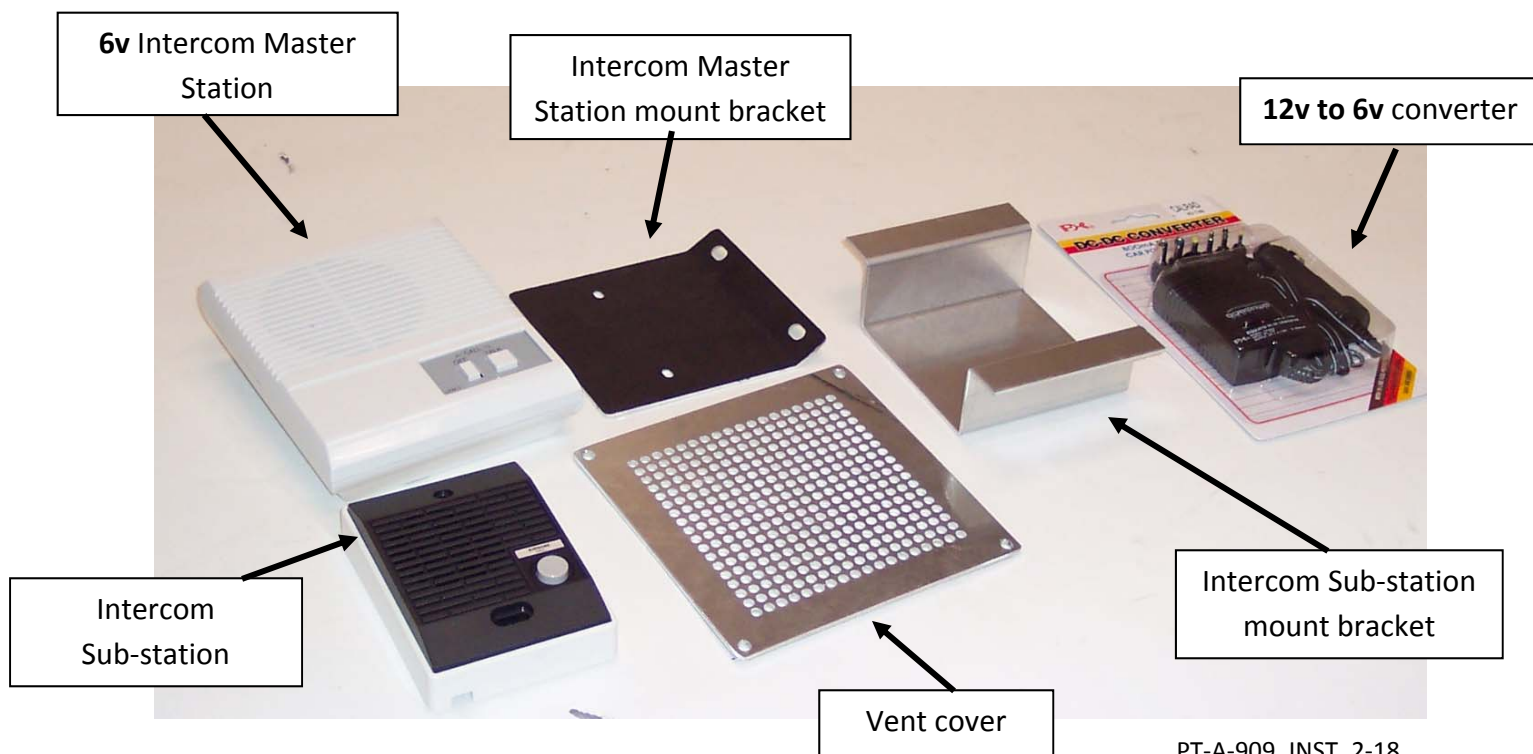
### HARDWARE & COMPONENTS:

#### QTY DESCRIPTION

4	#10 x ¾" Flat head sheet metal screws	GSM33151
4	#10 x ¾" Pan head sheet metal screws	GSM33195
20ft	16/4 Shielded cable	PRM97930 (for master to sub-station)
1	Intercom ceiling mount bracket	FPM99066
1	Intercom Driver compartment mount bracket	FPM99089
1	Vent cover plate	FPM99063-06
1	6 volt to 12 volt DC power Converter	GS-RS-270-1562
1	Intercom master station	GS-AI-LEM-1
1	Intercom sub-station	GS-AI-LE-D

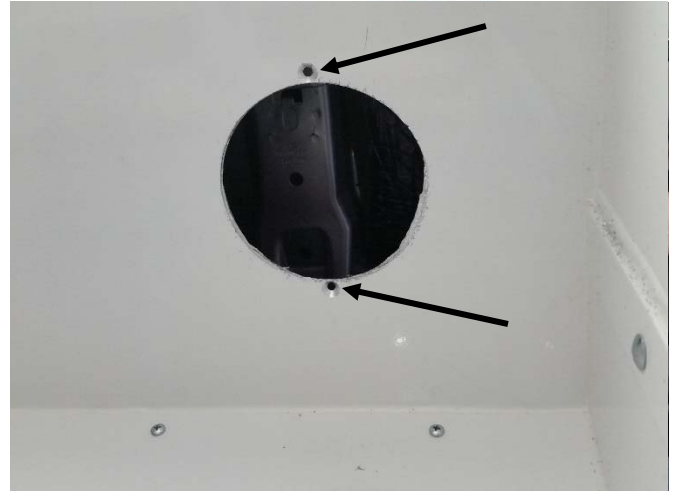
### SUB ASSEMBLY:

1. Confirm receipt of all hardware and components.
2. **Recommended location of the rear sub-station is in the ceiling near the rear doors of prisoner compartment. One rear sub-station works well in multiple compartment kits if mounted in the rear of the insert.**
3. Location must be free of wires or other obstructions prior to drilling.





Determine mounting location for the intercom sub-station and drill a 4 1/2" hole.



Drill and countersink two 3/16" holes on opposing sides of the 4 1/2" hole.



Place sub-station on metal bracket. Mark and drill 1/8" mounting holes in bracket.

***Do not mount sub-station yet***



Attach supplied shielded wire between **E** and **1** terminals on sub-station and master control. (2 of the 4 wires will not be used) **Note:** Cable shielding should be grounded to minimize possible audio interference.



Place bracket through the hole. Drill 1/8" holes in bracket and mount using #10 x 3/4" flat head screws. Attach sub-station to the bracket using OEM screws supplied with intercom.



Place vent cover over sub-station hole. Mark and drill 1/8" holes and attach with #10 x 3/4" round head screws.

## 1. MOUNT INTERCOM MASTER STATION:

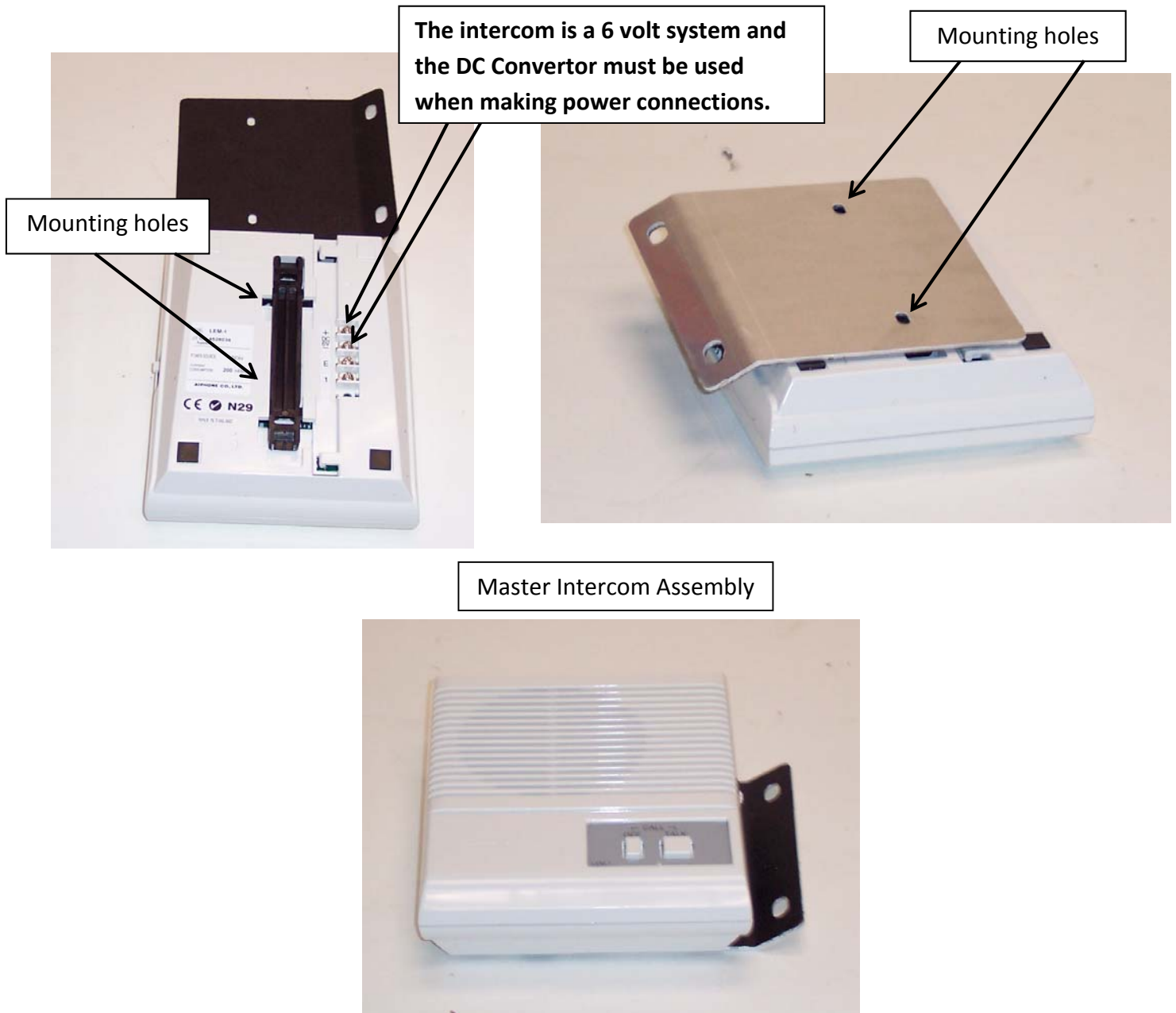
- Route wiring from sub-station to Intercom master station.
- Wire Intercom master station to a 12 volt power source by using the 6 volt to 12 volt convertor supplied. The end of the converter plug will need to be cut off and hardwired to the LEM-1

**Note: The Intercom has a 6 volt input, so the convertor must be used.**

**Failure to use converter will result in permanent damage to the system**

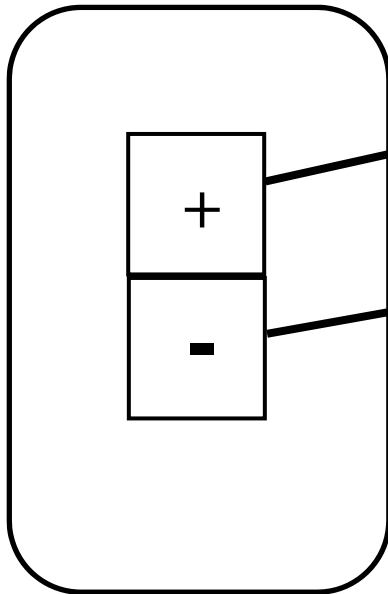
- Attach Intercom master station to Intercom master station mount bracket using hardware provided in packaging.
- Mount Intercom master station assembly to desired location depending on customer or installer.

**Note: Side of console works well.**



**GS-AI-LEM-1**  
Main / Front Control

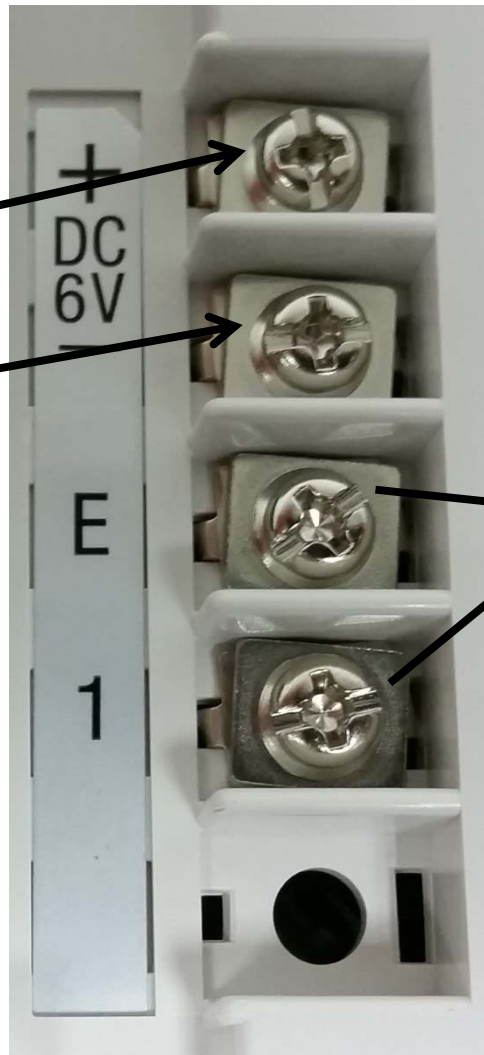
**12 volt to 6 volt**  
Power Converter



**Intercom is a 6 volt system and the DC Converter must be used when making power connections.**

Cut off plug on convertor for hard wire connections.

White tracer wire is positive



**GS-AI-LE-D**  
Rear Microphone / Speaker

