

## SECTION 2 - INSTALLATION

### INTRODUCTION

This section contains instructions for unpacking the phonograph and installing it on location. The phonograph is shipped with all major components in place. Save all tie-down hardware should it become necessary to move the phonograph to another location.

### ACCESSORIES BAG ASSEMBLY

Included is a plastic bag containing slip-on terminals connecting accessories, an assortment of spare fuses and spare contacts for connectors. It is recommended that you leave this Service Manual and the accessory bag assembly in the phonograph cabinet in case they are needed.

### WARRANTY REGISTRATION CARD

A postage-paid warranty registration card is included with the phonograph. Use this card to register the phonograph for in-warranty repairs.

### UNPACKING INSTRUCTIONS

The phonograph is shipped in one carton, ready for installation. The shipping carton should be opened carefully to prevent the phonograph from being damaged or scratched. Inspect the exterior and interior of the cabinet for evidence of damage.

In case of damage, please notify the delivering carrier at once to call and examine the phonograph regardless of the external condition of the boxes. Under U.S. regulations, damage claims must be collected by the consignee. Do not return shipping-damaged merchandise until after your claim has been established. Once your claim is established, damaged merchandise may be returned to the Rowe/AMI distributor for repair. The invoice for repair charges may then be collected from the carrier. Do not destroy packing material or boxes until the carrier's agent has examined them. Unpack the phonograph as follows.

### REMOVE PACKING CASE AND SHIPPING CARTON

1. Carefully open packing case. Do not use shipping hooks or other sharp instruments.
2. Remove plastic bag from phonograph cabinet.

### OPEN PHONOGRAPH CABINET

1. Locate red key bag. Insert key in lock and turn. The top door will unlatch and glide smoothly up to the fully open position.
2. Remove tape from title panel. Pull out rods as shown in figure 1-3 to release title panel. Swing panel down from the top. The panel is not removable.
3. Release latches and open front door as shown.

### REMOVE RECORD CHANGER MECHANISM TIE-DOWN BOLTS

1. Remove shipping bolt from rear of cabinet as shown in figure 1-4
2. Rotate record changer tie-down brackets away from mechanism support frame as shown. Lift up and remove.
3. Remove rubber bands and shipping block from tone arm and toggle shifter plunger.
4. Remove turntable hold-down clip. Replace screw.
5. Remove turntable by pulling turntable straight up. Remove rubber band and shipping block from idler wheel.

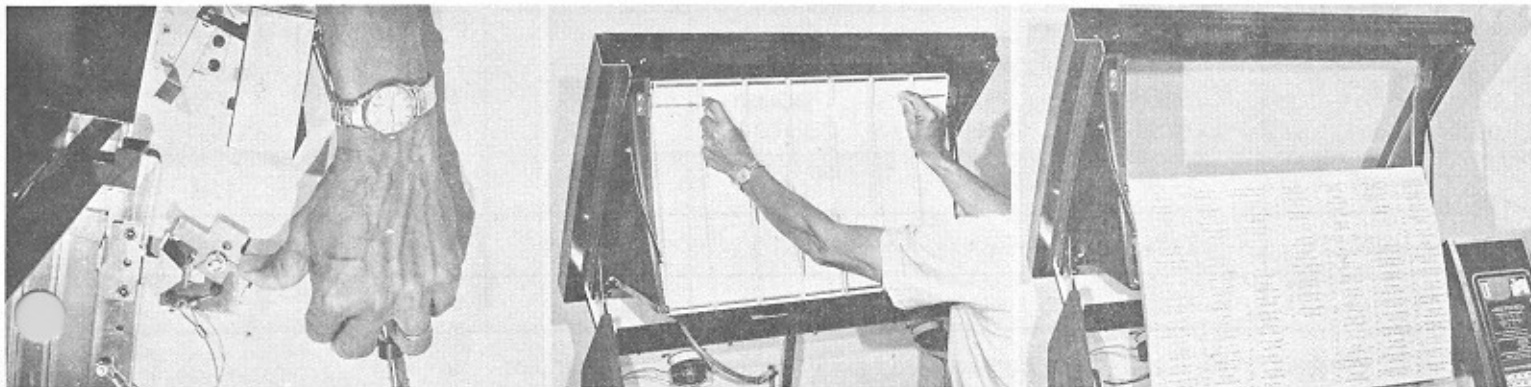


FIGURE 1-3. OPENING PHONOGRAPH CABINET

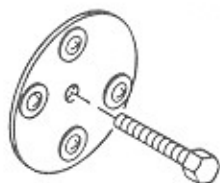
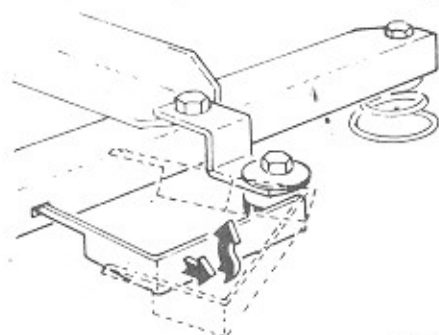
6. Replace turntable, making sure that idler wheel rides on inside of turntable rim. This is accomplished by manually rotating turntable clockwise.

7. Remove stylus cover from cartridge and stylus.

8. Save shipping hardware for future use.

9. Remove adhesive tape.

10. Check that all plugs are firmly seated in their respective receptacles



PHONOGRAPH REAR

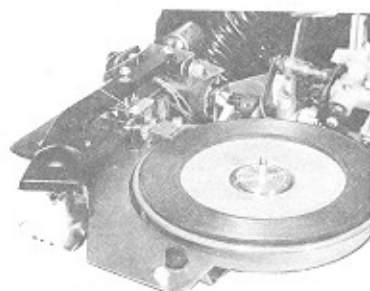


FIGURE 1-4. REMOVING MECHANISM TIE-DOWN

## LEVEL PHONOGRAPH

Level the phonograph cabinet left-to-right and front-to-back to ensure proper slug rejector operation. This is done by placing spacers under the caster wheels.

## INSTALL LICENSE CARD

For locations where a license must be displayed, a license card area has been provided on the title rack. To install license card, follow this procedure:

1. Open top door and swing down title panel.
2. The license card frame has tabs, top and bottom, which lock into two corresponding slots in the title panel. Pull the frame outward at the sides to free it.
3. Trim the license card to fit and install it from the back of the frame.
4. When the frame is put back, bend it slightly as shown to engage tabs in slots.



FIGURE 1-5. LICENSE CARD INSTALLATION

TABLE 1-3. USE OF AMPLIFIER CONTROLS FOR ACOUSTICAL COMPENSATION

SOUND LEVEL IN ROOM	ROOM ACOUSTICS					
	DEAD OR SOFT HIGHLY ABSORBENT		AVERAGE - MODERATELY ABSORBENT		LIVE OR HARD NON-ABSORBENT	
	SET BASS BOOST CONTROL	SET TREBLE RANGE CONTROL	SET BASS BOOST CONTROL	SET TREBLE RANGE CONTROL	SET BASS BOOST CONTROL	SET TREBLE RANGE CONTROL
LOUD	LOW	MOD/MAX	LOW	MOD/MAX	MOD	LIM
MODERATE	LOW	MAX	MOD	MOD/MAX	MAX	LIM
SOFT	MOD	MAX	MAX	MAX	MAX	MOD

NOTE: Reduce Treble Range setting as required by record noise (scratch) conditions.

## AMPLIFIER SET-UP

### ACOUSTICAL COMPENSATION (BASS AND TREBLE CONTROLS)

The pre-amplifier contains treble range and bass boost controls to compensate for room acoustics in various locations. These controls are on the amplifier chassis. The sound level at which the phonograph will be operated and the room furnishings determine the settings of these controls. A room with carpeting and drapery is a soft or highly-absorbent location. A crowded room is also highly-absorbent. These locations require higher sound levels. A room with paneled walls and a bare or tiled floor is a hard non-absorbent location. Bass boost and treble range control settings are listed in the above table. Note that more bass boost is required at low volume levels. The amplifier incorporates circuitry that provides extra bass compensation at low volume levels.

### STEREO BALANCE

The stereo balance control is provided to equalize left and right channel amplifier output. This control affects only

the side speakers; the low-frequency speakers are not affected. This control is factory-adjusted for best performance. If adjustment is required, play a monaural selection and adjust the control for equal sound from each side speaker. When balanced, the sound will seem to come from the center of the phonograph.

### AMPLIFIER OPERATION WITH HIGH LINE VOLTAGE

In locations where input line voltage to the phonograph exceeds 125 volts, use the black/red primary lead of the amplifier power transformer instead of the black/yellow lead. This results in a 10% reduction in secondary voltage.

### AUTO PLAY

Set auto play selector switch to 20 min. or 40 min. position. If no auto play is required, set to off position.

## SECTION 3 - ROUTINE SERVICE

### INTRODUCTION

This section contains instructions to enable the route man to perform routine service tasks such as changing records, making collections, and cabinet cleaning.

### CHANGING RECORDS

The phonograph will play 45 RPM records. With the addition of Automix Kit, both 45 RPM and 33 RPM records can be played interchangeably. (Order Kit No. 204-66681.)

Load records as follows:

1. Unlock and open top door.
2. Turn Power Switch OFF (Located on Control Console).
3. Use scan switch to position magazine slot to the left or right of the transfer arm.
4. Install record in magazine as shown in figure 1-7.
5. Turn Power Switch ON before attempting to make selection.



FIGURE 1-6. CHANGING TITLE STRIPS

### REMOVING CASH BAG

Remove the cash bag from the bottom right hand side of the cabinet in the following manner:

1. Unlock cash bag door and pull door away from cabinet.
2. Slide cash bag straight out on its runners.

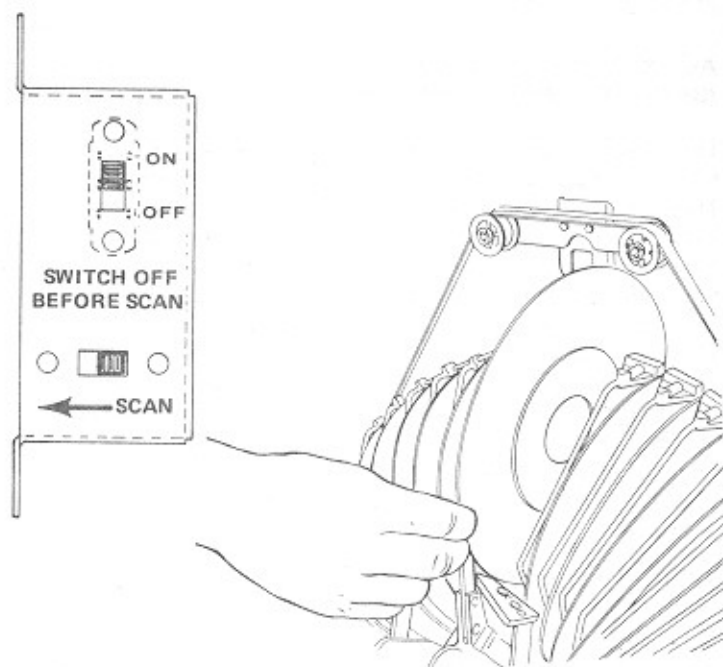


FIGURE 1-7. CHANGING RECORDS

### CHANGING TITLE STRIPS

Each time new records are installed, corresponding title strips must also be installed. Install the title strips as follows:

1. Open top door and swing out title panel as shown on page 1-5, figure 1-3.
2. Install new title strips by sliding the strips into the open right ends of the racks as shown.
3. Check to make sure that each title strip corresponds to the correct record.

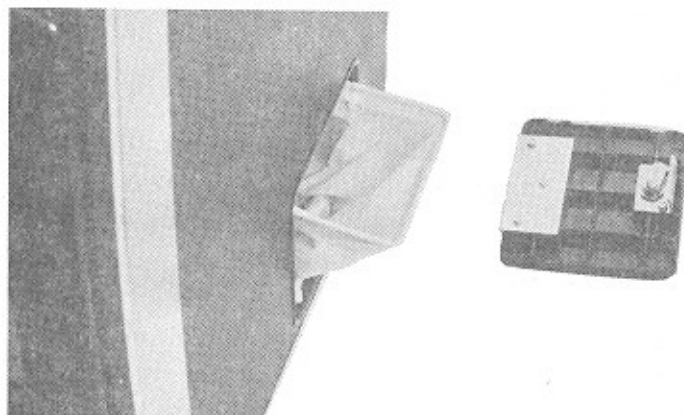


FIGURE 1-8. REMOVING CASH BAG

## READING AND RESETTING SELECTION COMPUTER

The selection computer keeps a tally of the number of times each record is selected and the total number of selections made. This unit registers selections only; not plays. To read the total number of plays, check the total play counter on the left side of the record changer mechanism. Read and reset the selection computer as follows:

1. Set selector switch to LEAST POPULAR position. Set console ON - OFF switch to OFF. The least popular record selection will appear on the left two digits of the display window under RECORD NUMBER. The number of times it was selected will appear on the right two digits under TIMES SELECTED.
2. Push and release the pushbutton to read the next least popular record. If there are two records with the same number of selections, the lower record number will be displayed first; then the higher number. After all selections have been read, the display will show hyphens.
3. To read the most popular selections, set selector switch to MOST POPULAR position. Push and release the pushbutton to read the most popular records.
4. The readout of least popular or most popular selections can be reset to the beginning at any time by moving the console switch to OFF and then back to ON.
5. Press and hold the pushbutton to read the total selections since the unit was last reset.
6. Using the eraser end of a pencil or a similar tool, push the recessed RESET button to set the computer count back to zero.

### CAUTION

**THIS WILL ZERO THE COMPUTER SO MAKE SURE THAT YOU HAVE COMPLETED YOUR READINGS.**

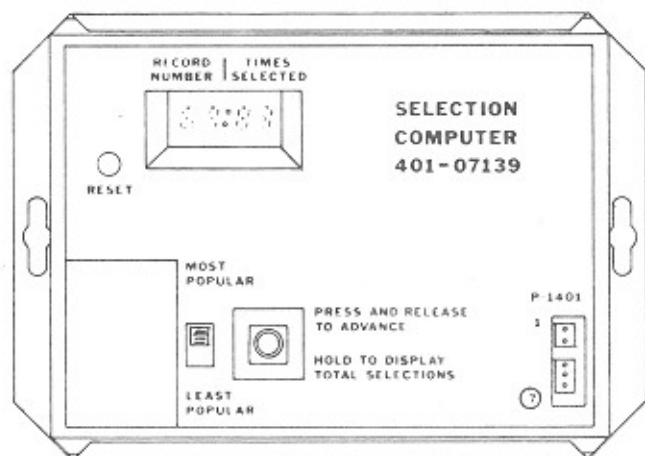


FIGURE 1-9. READING AND RESETTING SELECTION COMPUTER

## REARMING BURGLAR ALARM

1. Open cash box door and remove cash bag.
2. Remove used Freon can from clips and unscrew horn. Avoid Freon contact with skin and eyes.

### WARNING

**KEEP CAN POINTED AWAY FROM YOU  
DO NOT SHAKE FROZEN CANS**

3. Set mechanism to ready position by rotating actuator clockwise until it latches on lever assembly as shown.
4. Screw horn onto top of new Freon can. With horn opening facing rear of cabinet, snap can and horn into spring clips as shown.

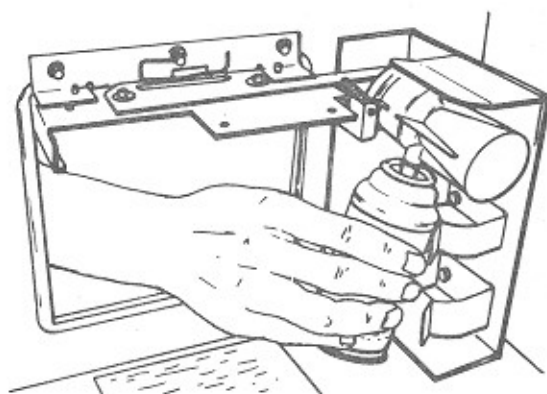
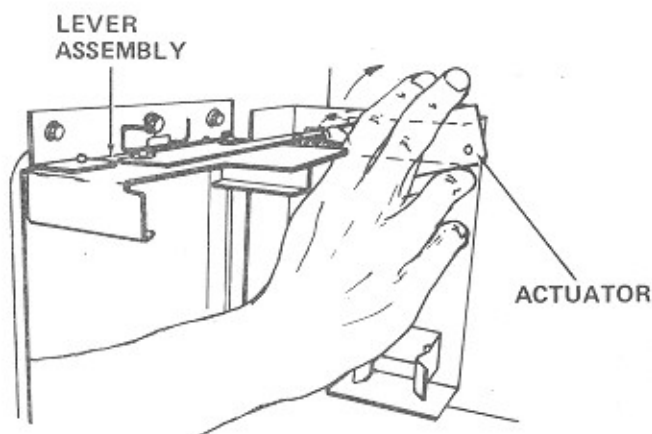


FIGURE 1-10. INSTALLING NEW FREON CAN



## REPLACING LAMPS

Replacing cabinet lamps if they burn out helps to maintain the attractive appearance of the phonograph. Fluorescent tubes, starters, and incandescent lamps are all easily accessible within the cabinet. There is one 19-watt, 26-inch fluorescent lamp (707-00601) mounted on a horizontal bracket at the top of the cabinet. This lamp provides lighting for the Rowe crest and title area. To replace the lamp, first locate the two screws holding the mounting bracket to the cabinet as shown. Back out these screws two turns but do not remove screws. Then, remove the lamp and bracket together to get at the lamp.

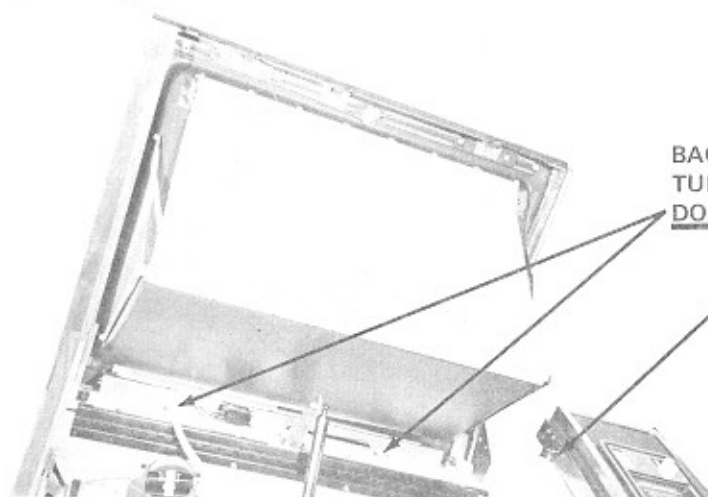
A second fluorescent lamp, 30-watt, 36-inch (712-00601) is located across the bottom front cabinet opening to back-light the front door panel.

Remove fluorescent lamps as follows:

1. Press tab on either lamp socket.
2. Push lamp against opposite socket and swing lamp out.

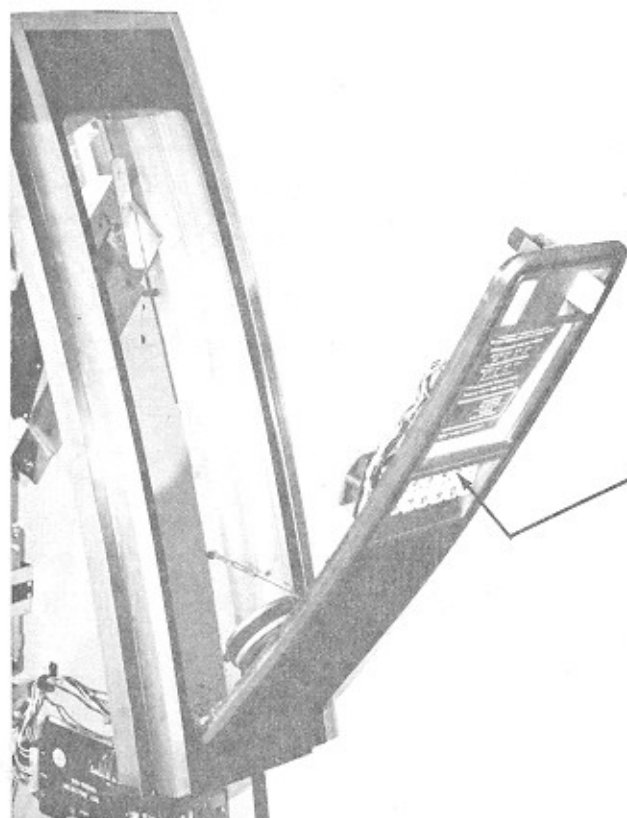
LAMP SOCKETS ARE QUICK RELEASE TYPE – DO NOT ROTATE LAMP IN SOCKET.

Two incandescent lamps light the selection keyboard. Release the latch at the top of the selection panel from inside the cabinet and swing the panel down for access to the two lamps as shown in figure 1-11. Replacement lamps should be 6.3V, type 755, part no. 200-50763.



BACK OUT THESE TWO SCREWS TWO TURNS TO FREE LAMP AND BRACKET.  
DO NOT REMOVE SCREWS.

SELECTOR PANEL  
LATCH RELEASE



SELECTION  
KEYBOARD  
LAMPS

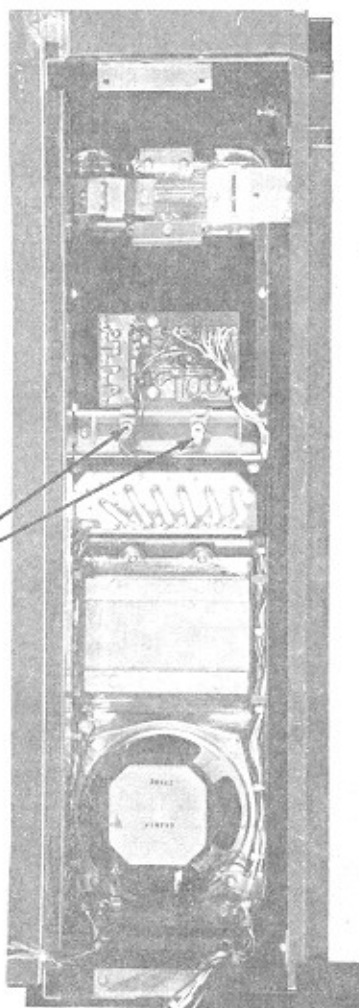


FIGURE 1-11. LAMP LOCATIONS

## CABINET CLEANING

ACTION REQUIRED	PROCEDURE
1. Clean Glass	1. a. Clean all glass with a paper towel and a non-abrasive glass cleaner such as Windex. b. Dry with a clean, lint-free cloth.
2. Clean painted wood and metal surfaces	2. a. Clean all painted wood and metal surfaces with mild soap and water. DO NOT USE SOLVENTS. b. Apply a good quality auto or furniture wax to protect the finish.
3. Clean chrome trim	3. a. Use a damp or dry cloth to remove any dust or dirt. b. Use mild soap and water to remove stubborn deposits. Do not use strong detergents or abrasives of any kind.
4. Clean plastic trim	4. a. Wipe all plastic surfaces with a damp or dry cloth only. DO NOT USE SOLVENTS.
5. Clean electrical components	5. a. Clean all electrical components with a clean, dry, lint-free cloth or a soft bristled brush only.

## PHONOGRAPH FUSES AND CIRCUIT BREAKERS

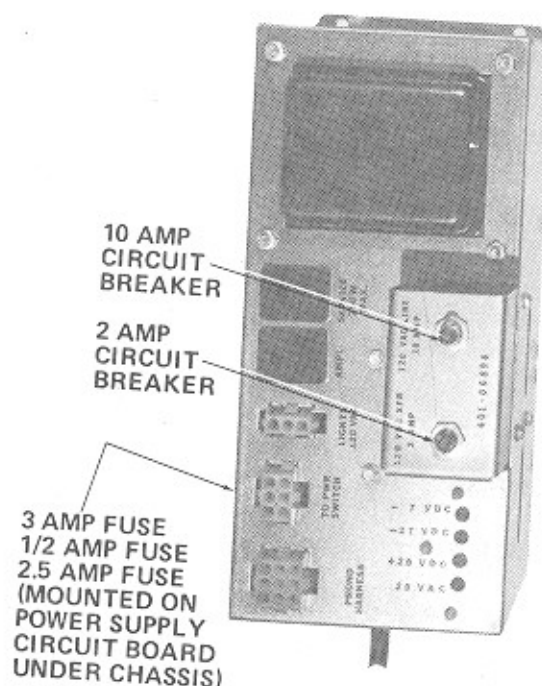
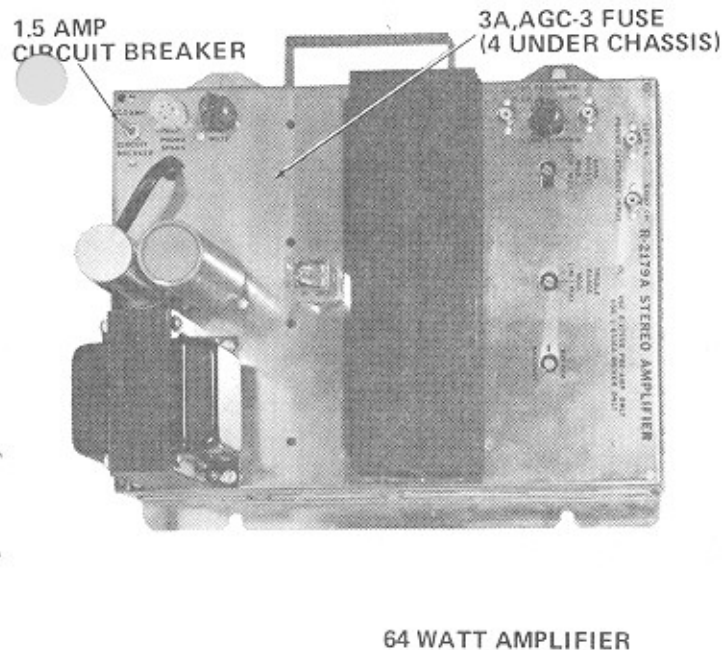


FIGURE 1-12. LOCATION OF FUSES AND CIRCUIT BREAKERS