



Operations Manual For The PC-1145 "Ragtime" Coin Operated Piano

Pianocorder®
Reproducing System

OPERATION OF THE PC-1145 "RAGTIME" COIN-OPERATED PIANO

STEP 1

Make sure your piano is not plugged in. Then use your coin box key to unlock the coin box on the left hand side of your piano. The box should swing free towards the back of the piano. At this time, all the components inside the coin box, should be accessible to you. SEE FIGURE 1

(NOTE: STEPS 1 - 8 ARE A FUNCTIONAL TEST OF OVERALL OPERATIONS. STEPS FOLLOWING THESE DESCRIBE INDIVIDUAL FUNCTIONS AND ROUTINE MAINTENANCE PROCEDURES).

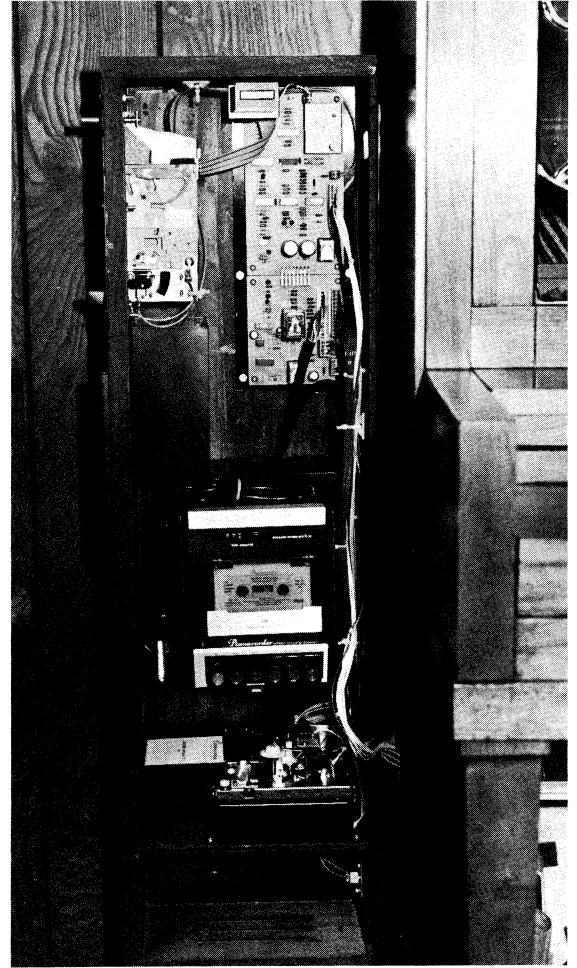


FIGURE 1

STEP 2

Make sure the ON-OFF power switch on the cassette mounting assembly is in the OFF position. SEE FIGURE 2

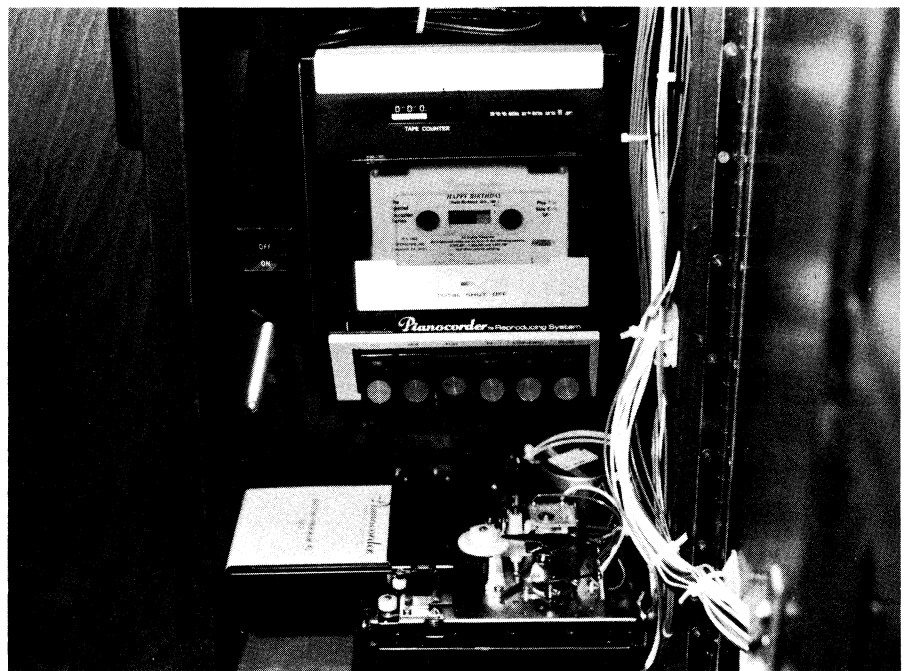


FIGURE 2

STEP 3

Make sure you have a "Happy Birthday" tape in your cassette player (upper cassette deck) and a "Ragtime" tape in your 8-track machine. (LOWER TAPE DECK)
SEE FIGURE 3



FIGURE 3

STEP 4

If you have all of your tapes in place, plug in your piano. Now turn the ON-OFF power switch on the cassette player in the play position, and adjust operational controls for desired effect. (NOTE: Review the PIANO-CORDER Model P-101 Owners Manual for a review of the controls and function of the PIANOCORDER Reproducing System).

STEP 5

Now find your function switch. It is located in the upper right hand corner of your coin box. This is a three position switch.

POSITION 1: CONSTANT CASSETTE

POSITION 2: NORMAL OPERATION

POSITION 3: CONSTANT 8-TRACK

Make sure the function switch is in the No. 2 position for Normal Operation. SEE FIG. 4

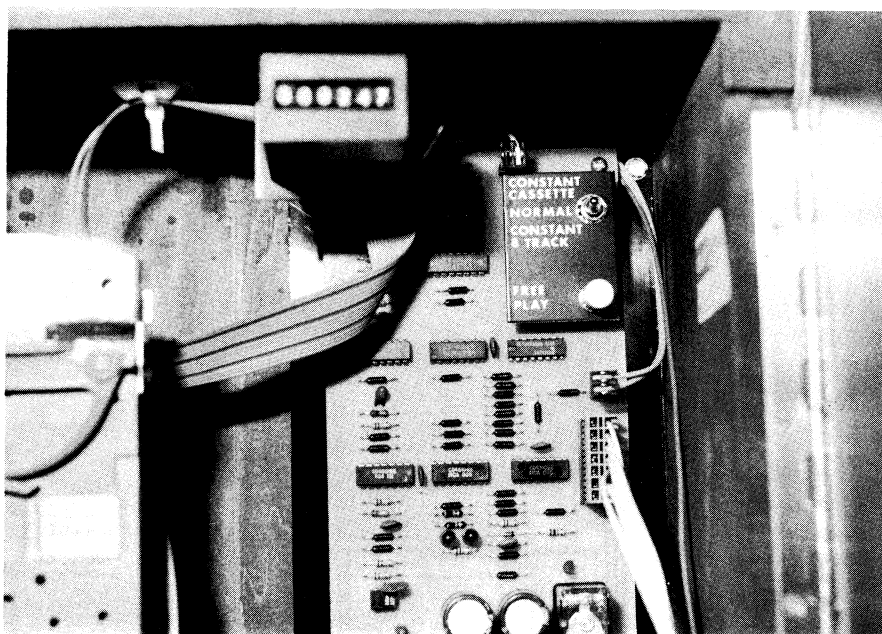


FIGURE 4

STEP 6

Insert a coin into the slot at the front of your coin box. (SEE FIGURE 5) This coin should travel through the coin acceptor and fall into the black coin collection box located beneath the coin acceptor. At this time, your 8-track player should operate your piano. (ALLOW 15-25 Seconds)



FIGURE 5

STEP 7

Observe your L.E.D. numeric display on the right top section of the front of the coin box. The number displayed will correspond with the number of the song on the playlist of the particular tape you are playing in the 8-track machine. ("RAGTIME" 1 or "RAGTIME" 2)

SEE FIGURE 6

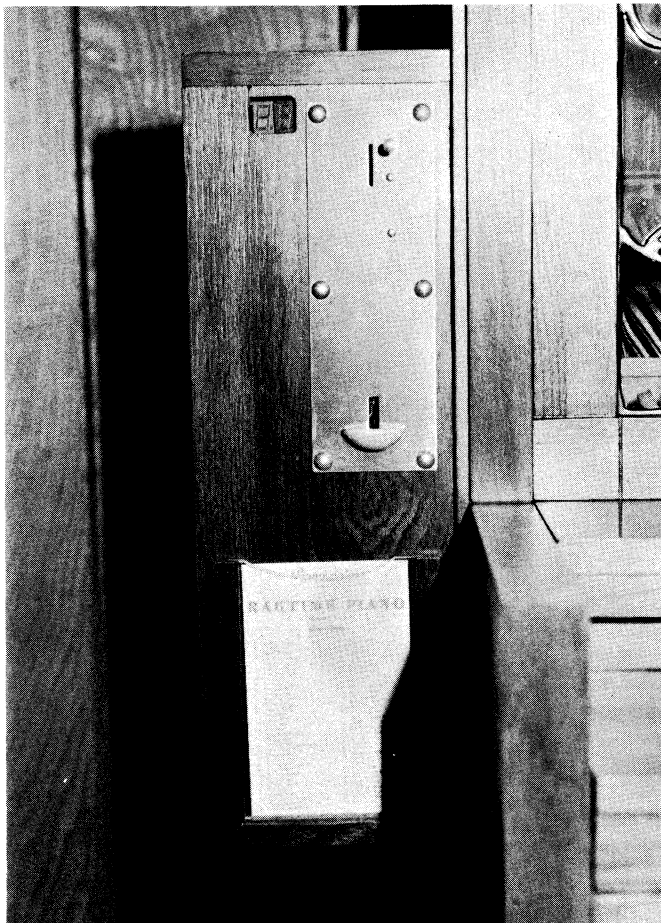


FIGURE 6

STEP 8

After your piano has been playing for approximately 60 seconds, go to the back of the coin box and push the white button in the hole at the bottom of the box. This is your "Happy Birthday" switch. SEE FIGURE 7. When this is done, your 8-track should stop playing and "Happy Birthday" should start playing on your piano. (Approximately 5 to 7 seconds after you push the button).

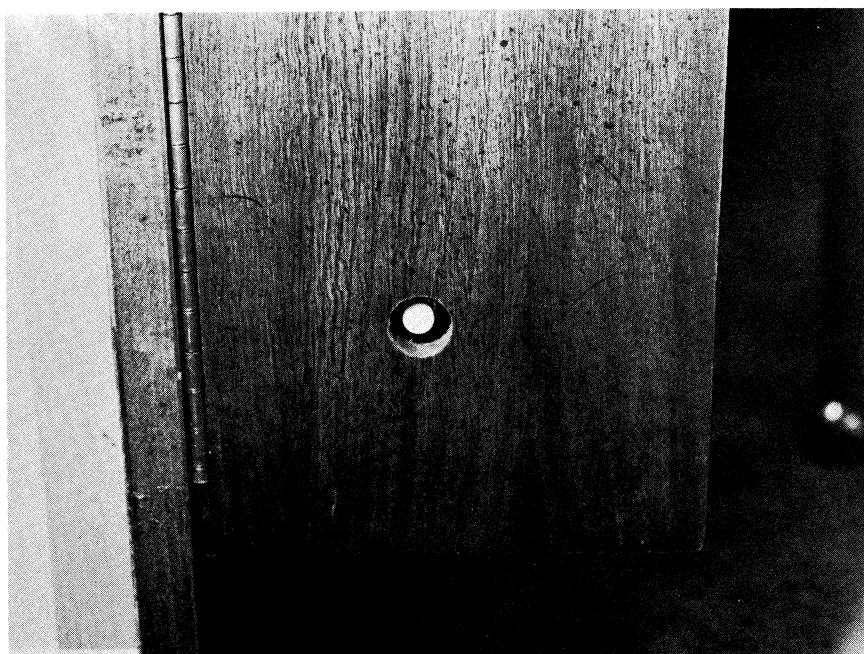


FIGURE 7

After "Happy Birthday" finishes playing, your 8-track should start up where the normal program was interrupted. NOTE: The "Happy Birthday" function uses the top cassette player.

STEP 9

If you wish to operate your PC 1145 "Ragtime" coin-operated piano without your patrons having to insert a coin, but using the tape program in the lower 8-track deck, follow these instructions. Find your function switch

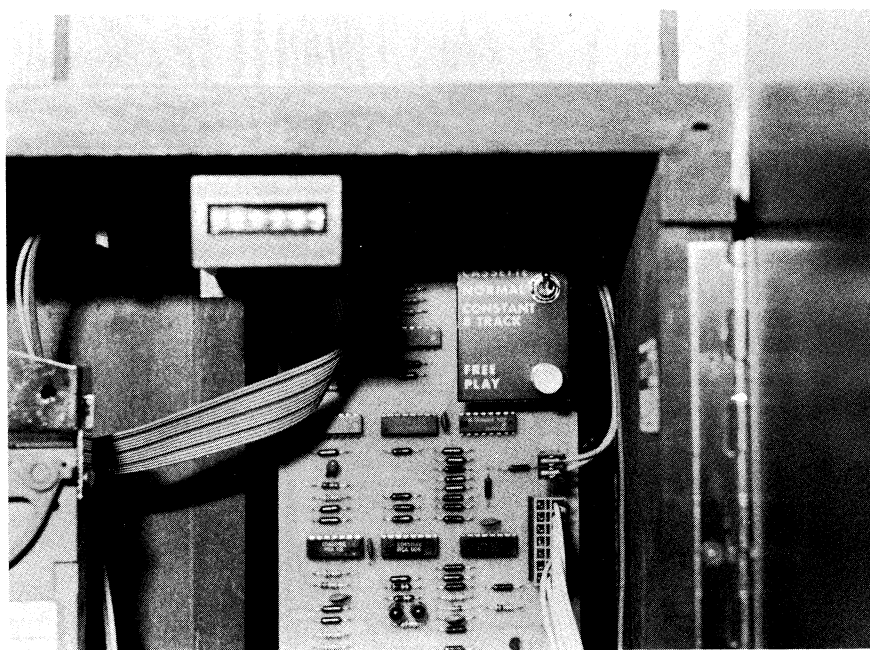


FIGURE 8

again. Place it in POSITION 3 - CONSTANT 8-TRACK. SEE FIGURE 8. The 8-track machine should play continuously until you change position of your function switch. To get the piano to accept coins again, simply return your function switch to POSITION 2 - NORMAL OPERATION.

STEP 10

If the occasion should arise when you would like to play some of the normal length PIANOCORDER cassettes, you can choose from the vast collection of music in the PIANOCORDER cassette library. We have over 300 different cassettes. The variety ranges from classical to popular and everything in between. To use your PC-1145 "Ragtime" coin-operated piano as a normal continuous play

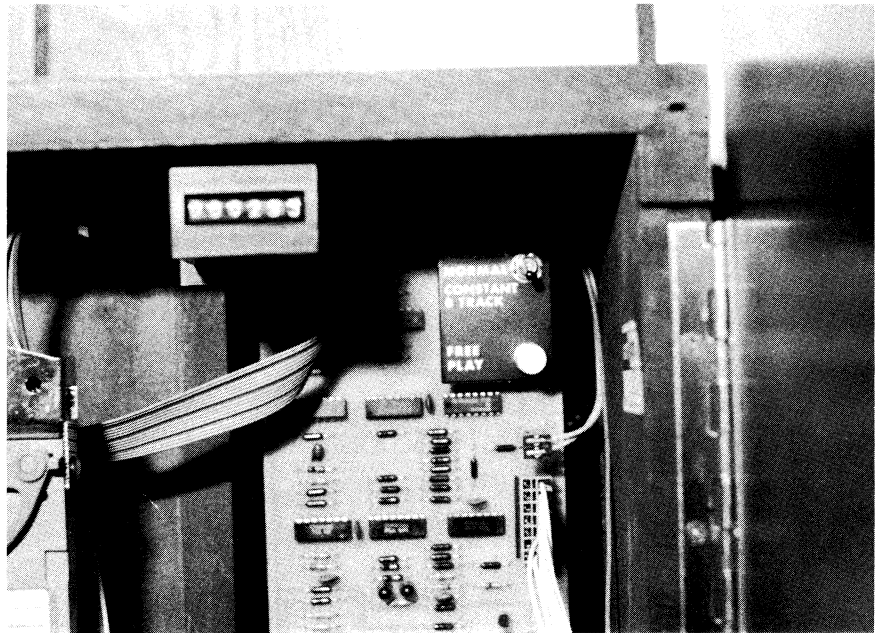


FIGURE 9

PIANOCORDER, simply follow these instructions. Find the function switch in the upper right hand corner of your box. Place the switch in POSITION 1 - CONSTANT CASSETTE. SEE FIGURE 9. Place your normal PIANOCORDER cassette in the cassette player. Make sure the PT 100 cassette player is in the play position. Now apply power. Your coin operated piano will no longer need a coin to make it play, it will play continuously until the end of the tape. Then simply turn it over for more music. To stop this function, place your function switch in POSITION 2 - NORMAL OPERATION. Now your piano is ready to accept coins once again.

STEP 11

At the top of the coin box you will notice a mechanical digital counter. SEE FIGURE 10. Everytime a quarter passes through the coin acceptor and activates the coin switch, the counter will increment one digit. If you make a record of this reading each time you collect the coins from the coin collection box,

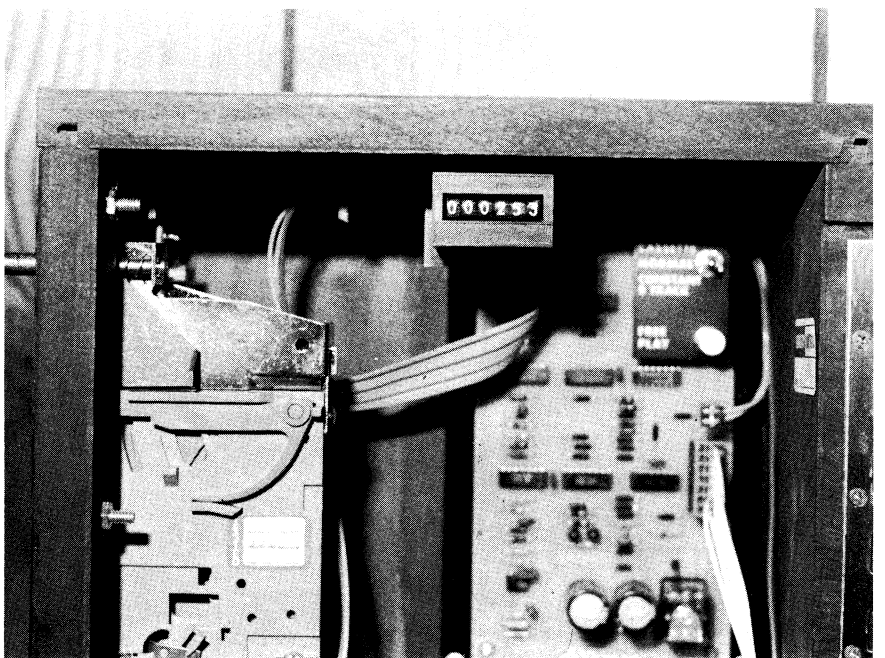


FIGURE 10

you will be able to determine how many questers you will have in the box everytime you make a collection. Note that the plug connecting the counter to the logic board has been "painted" to provide you a visual indicator of tampering with this feature.

STEP 12

We have found that many operators when emptying their coin collection box like to give their patrons a few free songs. If you wish to do this, all you have to do is push the "FREE PLAY" switch. This is the white button located just below your function switch. SEE FIGURE 4. You will notice that when you push your "FREE PLAY" switch, that your mechanical digital counter does not advance.

STEP 13

Besides "Happy Birthday" we have the "Anniversary Waltz" specialty tape available on cassette. Just put the "Anniversary Waltz" cassette in your PT 100 cassette player and push your "Happy Birthday" switch. The regular program will be interrupted at this time and the "Anniversary Waltz" will begin playing. When the song is over, the 8-track will return to the regular program where it was interrupted. NOTE: Should a "Happy Birthday" or "Anniversary Waltz" tape malfunction, the unit will not return to normal function until the top cassette player completes the performance of any single song or any PIANOCORDER tape available.

STEP 14

It is important that you do some very basic preventive maintenance on your "Ragtime" piano. Set up a schedule for cleaning the head, pinch roller and capstan on your 8-track and cassette players approximately once a week. We suggest that you clean these parts with "ISOPROPYL RUBBING ALCOHOL" and "Q-TIPS". SEE FIGURES 11, 12, 13, and 14.

If your piano gets a lot of use, then you may have to clean the heads more often.

NOTE: There are about 50 "Happy Birthday" plays on one side of the DUAL SPEED "Happy Birthday" tape. This tape should be rewound or turned over aspart of your regular maintenance schedule. The SINGLE SIDED "Happy Birthday" tape will not require rewinding.

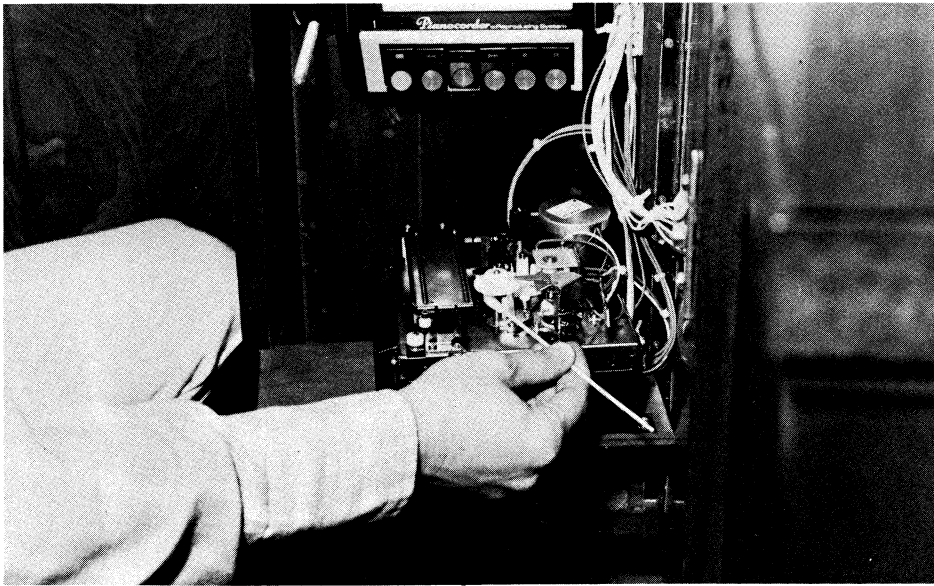


FIGURE 11

FIGURE 12

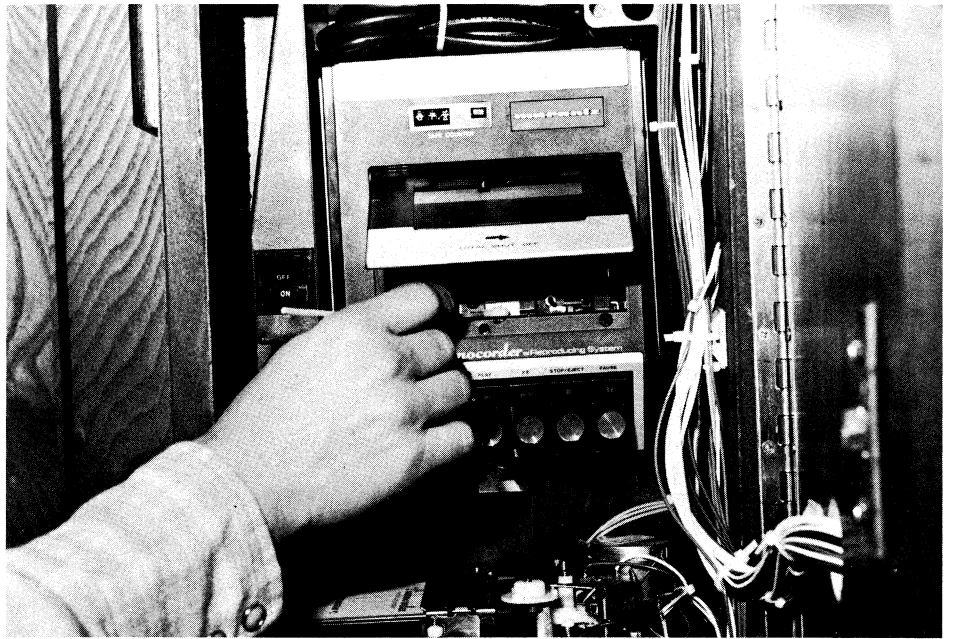


FIGURE 13

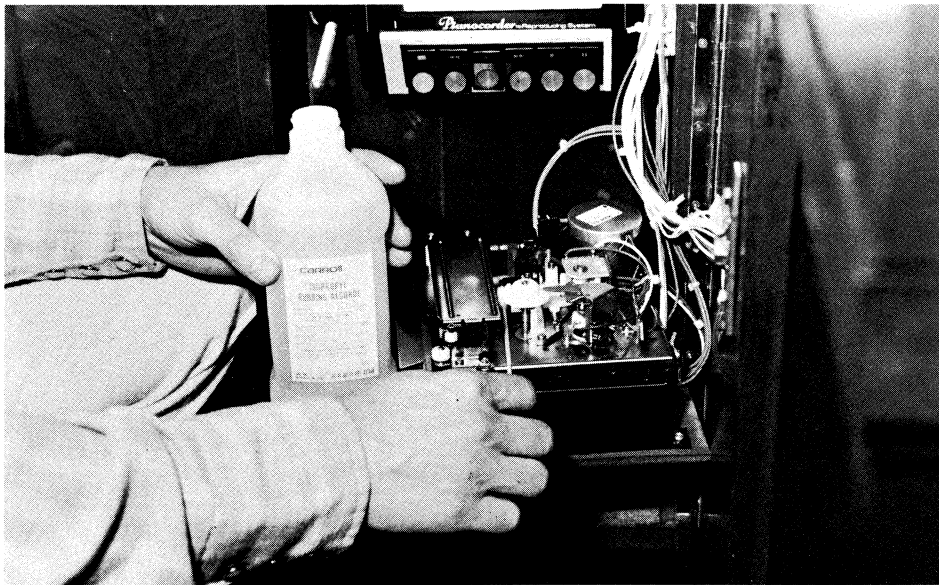


FIGURE 14

STEP 15
CHANGING FLASHING LIGHT
BULBS

Turn off the PIANOCORDER unit and unplug it from the wall outlet. Remove the front board and/or lower frame board from the piano. Remove the snap on lens cover with a flat head screw driver. (SEE FIGURE 15) Remove the defective bulb (s) by pushing bulb in toward the center of the bracket and then turning 1/4 turn in either direction. Replace with GE1893 or equivalent bulb. Insert bulb in socket and push in, turning bulb 1/4 turn. (SEE FIGURE 16) Replace lens cover by snapping on. Replace front and/or lower frames. Plug the unit back into the wall outlet before turning on the power switch on the P7100 plastic housing assembly.

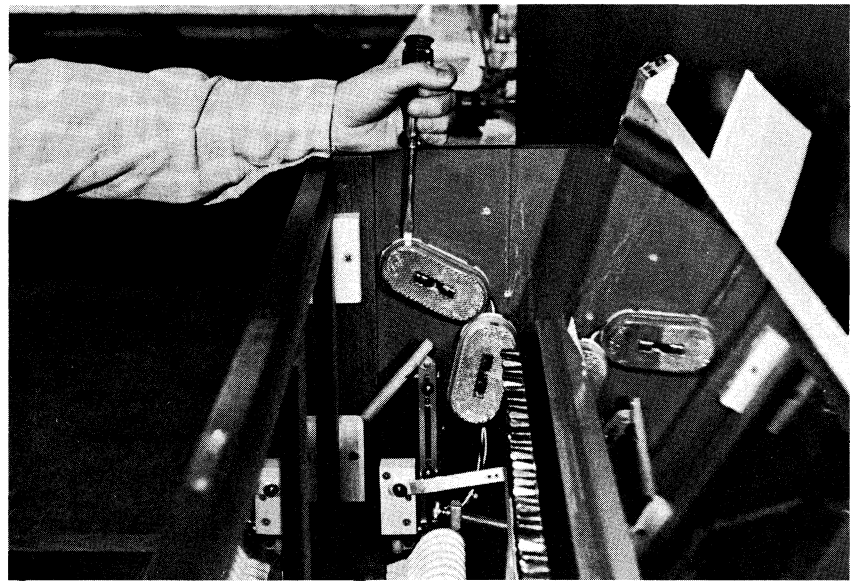


FIGURE 15



FIGURE 16

STEP 16

Operation of the "Mandolin" attachment is very simple. If you wish the "Mandolin" effect, actuate the attachment by pushing down the handle as demonstrated. (SEE FIGURE 17) To remove it from the playing portion of the piano, simply pull up on the "Mandolin" attachment handle.

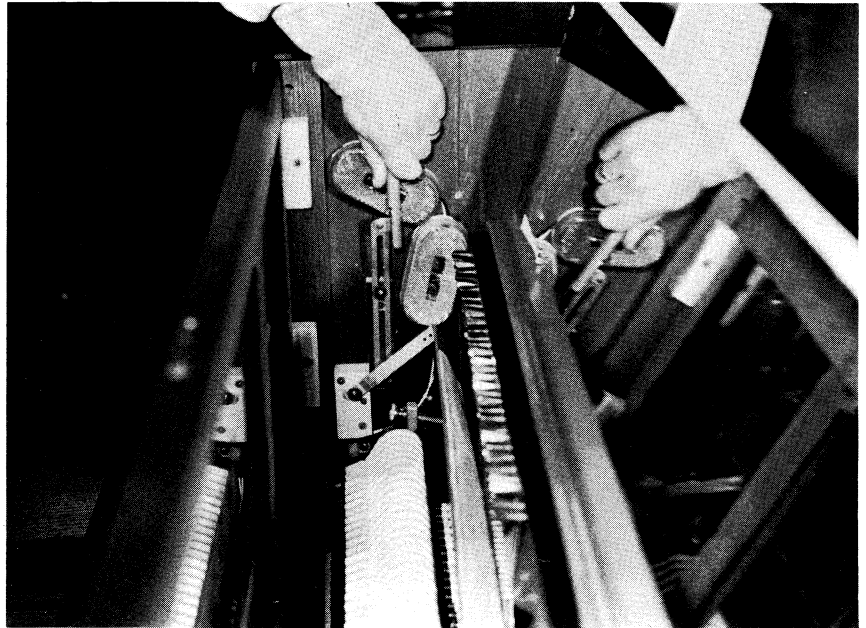


FIGURE 17

STEP 17 - HEIGHT CHECK (8-TRACK)

Place a known good PIANOCORDER 8-track tape in the 8-track player and start the system operating with the coin box open to permit access to the components. At the right hand edge of the player, find the capstan. It will have a white plastic wheel on the top. (SEE FIGURE 18) Just behind that is a movable metal stamping with two fingers which engages the white wheel when pressed. (SEE FIGURE 19 - next page) Punch this lever several times until the lead is at the lowest of the four positions. The digital display should indicate a song within 8 to 9 digits from the end of the tape (Check song playlist). If not, punch the lever four more times. Verify that the song playing is near the end of the tape.

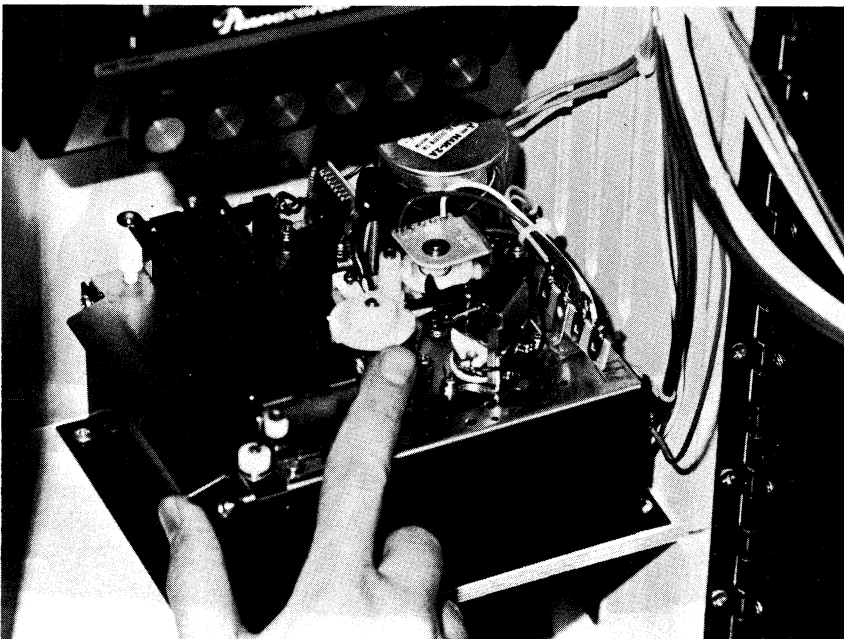
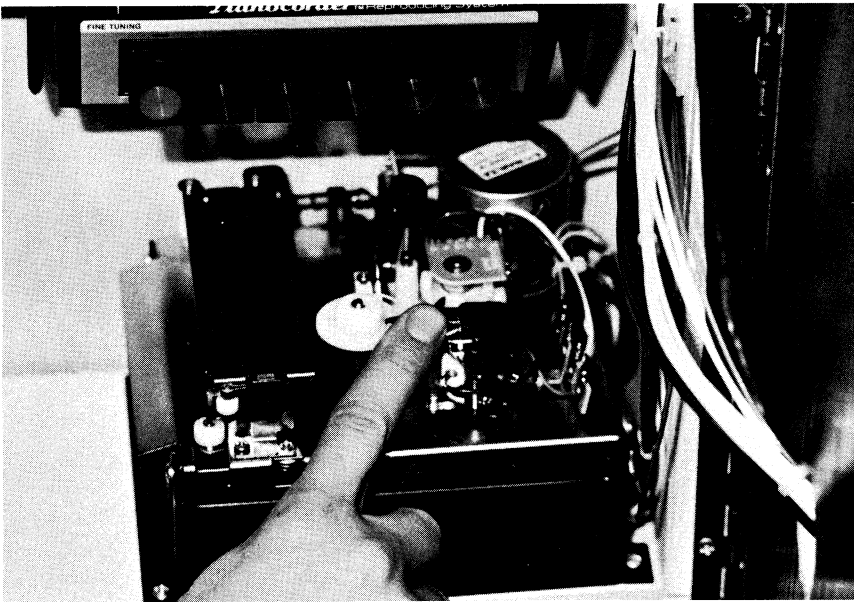


FIGURE 18

Slowly press down on the screw in the head shifter (just in front of the center of the cartridge). Total movement will be about 1/8 inch. No other music programs should be heard. This is a sensitivity test, so move the head slowly.



Punch the lever once. The head will move up and track one will play. (Generally songs 1 - 8 or 9). With your thumbnail, slowly but firmly lift upward on the screw in the head shifter. As the head is raised, no other song should be heard.

FIGURE 19

STEP 18 - AZIMUTH ADJUSTMENT (8-TRACK)

The Azimuth Adjustment is the black knob in the center of the transport. (SEE FIGURE 20) Mark or note it's position so it can be reset to the original position if needed. The adjustment should be turned slowly and never more than one turn either way. Adjust for minimum dropouts as indicated by the "loss of sync" light on the cassette player or on the sync sensing board. This adjustment is identical in function to the fine tune knob on the cassette player. While adjusting, listen carefully to be sure another track of music is not picked up. Repeat Height Check after making an Azimuth Adjustment.

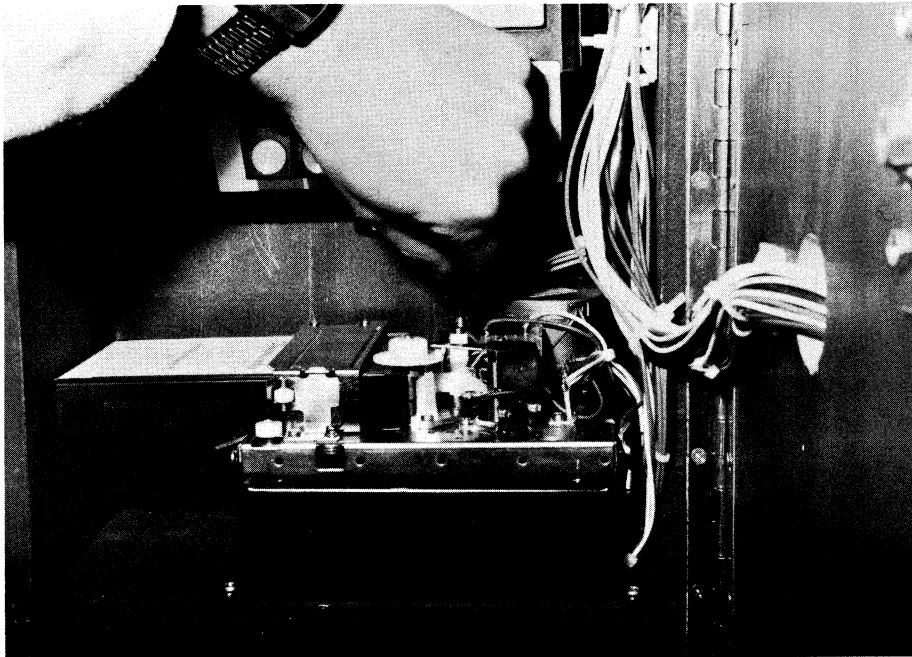


FIGURE 20

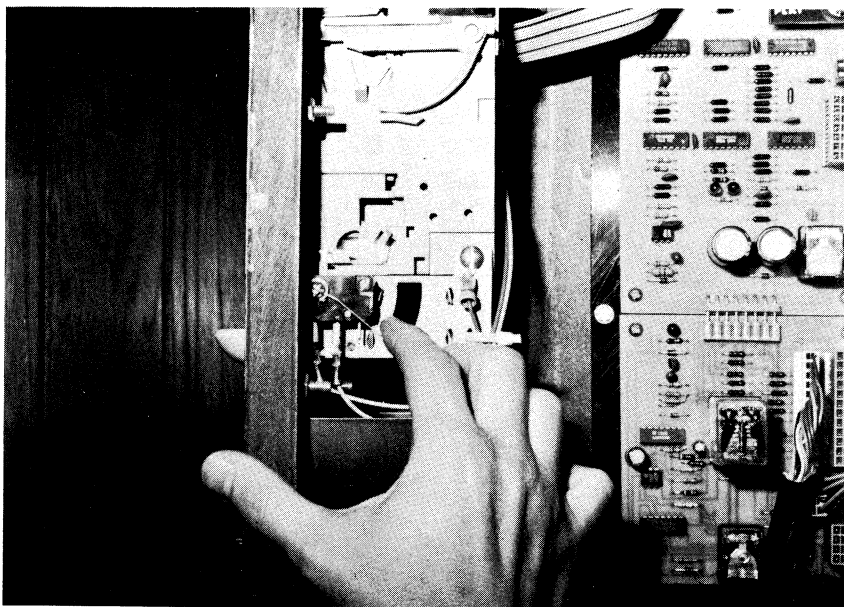


FIGURE 21

STEP 19 - COIN SWITCH CHECK

To check the coin switch, turn on the power to the piano. Make sure you have a "Ragtime" tape in the 8-track player (bottom of coin box) and a "Happy Birthday" tape in the cassette player (center of coin box). Activate the coin switch with your finger. (SEE FIGURE 21) Notice the two L.E.D on the up/down counter board. (SEE FIGURE 22) Each time the coin switch is activated, the two L.E.D.'s should

change lighting sequence. For example, if the coin switch is activated one time, the light on the left should come on. When the switch is activated twice, the light on the right should come on. If the coin switch is activated three times, both lights should light up. When the switch is activated four times, both lights will be out. Remember, each time you activate the coin switch, the mechanical counter will increment. If you wish to check the "up/down counter" board without having to advance the mechanical counter, simply follow the instructions above, but activate the "free play" switch instead of the coin switch. (The "free play" switch by-passes the mechanical counter).

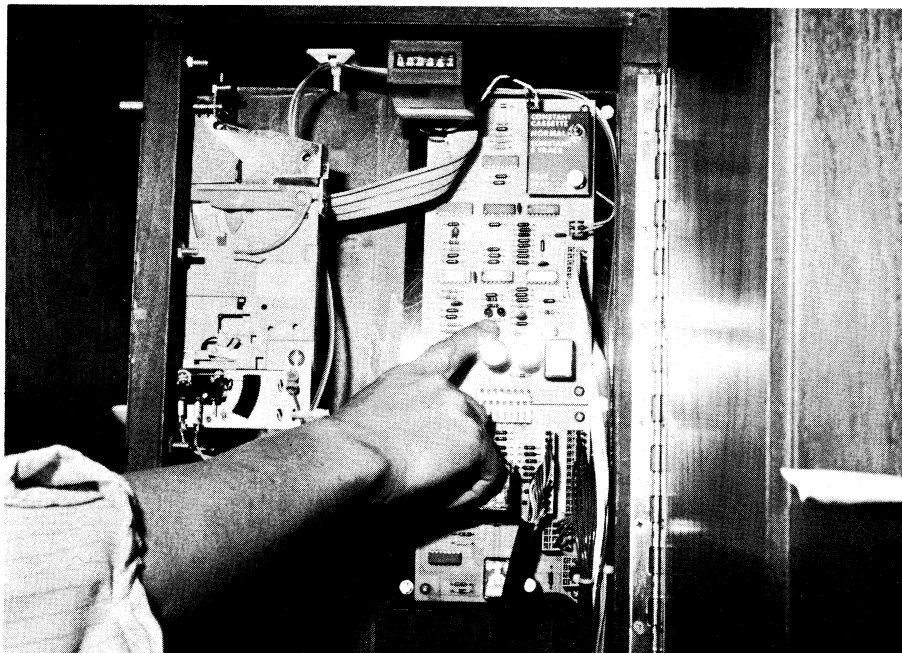


FIGURE 22

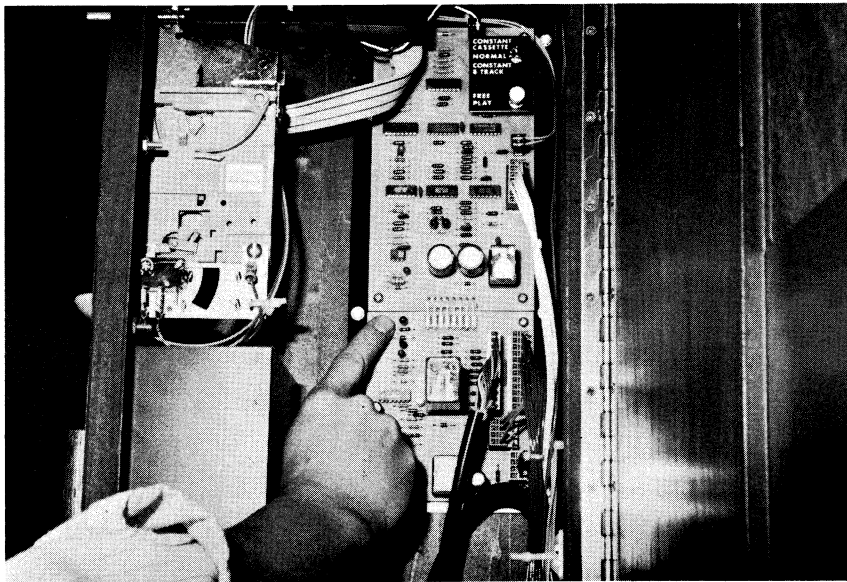


FIGURE 23

STEP 20 - SYNC SENSING L.E.D.

You will notice in the upper left hand corner of the sync sensing board, an L.E.D. (SEE FIGURE 23) This is the sync light. When it is on, sync is not present. When it is off sync is present. It serves virtually the same function as the fine tune lamp on the PT-100. There is one slight difference. You will notice the sync light on the coin-op sync sensing board will

come on about one second after the fine tune light does on the PT-100. When loss of sync is present. This delay is built into the circuitry. The purpose of the delay is to prevent the loss of a coin due to short term dropouts. These dropouts may be present when the head of the 8-track player needs cleaning.

For any additional information on operation of the PC-1145 "Ragtime" Coin-Operated piano, or if you have any questions, or problems, please contact your local dealer, or distributor, or call 1-800-438-7023.

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Reproducing System

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