



Rhodes

KEYBOARD INSTRUMENTS

**73 and 88
STAGE PIANO**

mark I



FEATURES

- All components fit into one compact suitcase unit for instant portability.
- The Mark I Stage Piano is designed to be used with the Fender Super Satellite Power Speakers or any high-quality amplifier such as a Fender Twin Reverb.
- If an individual note should go out of tune it can be easily retuned by the player.
- The legs are adjustable so that the instrument may be played from a seated or standing position using the sustaining pedal from either position.
- Volume and tone controls are located on the piano name board for easy player control.

GETTING READY TO PLAY

The Fender Rhodes Mark I Stage Piano comes with all components packaged in its portable suitcase. The following steps should be followed in setting up the piano:

1. **Top Removal.** Lay the piano flat on its bottom side. Unlatch the four fasteners and remove the top cover. Remove the cover from the back hinges and place it on the floor with the inside facing up. Open the cover compartment and remove the two (2) leatherette cases; they should contain the following parts:

- | | |
|--------------------------|--------------------------------|
| 1. Two front legs | 4. One tri-spoked knob |
| 2. Two rear legs | 5. One foot pedal |
| 3. Two rear leg supports | 6. One pedal push rod (Fig. 1) |

2. **Installing Front Legs.** Position piano so keys are pointing up (Fig. 2) and screw front legs into mounting brackets. It should be noted that the front legs are the ones with the **smallest** amount of knurling.

3. **Installing Back Legs.** The back legs will unscrew between knurling and the upper part of the leg. They should **NOT** be completely unscrewed, but rather unscrewed only until a quarter-inch space appears. Then the back legs should be screwed into the rear leg mounting brackets, using the same procedure used to mount the front legs.

4. **Back Leg Support Bracket.** The tri-spoked Support Bracket Mount Knob should be screwed into the threaded hole in the



FIGURE 1

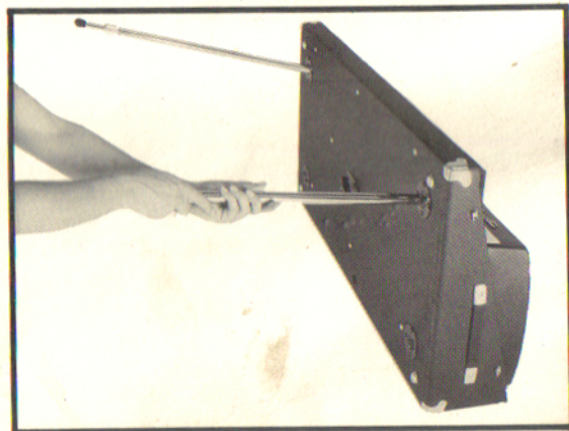


FIGURE 2

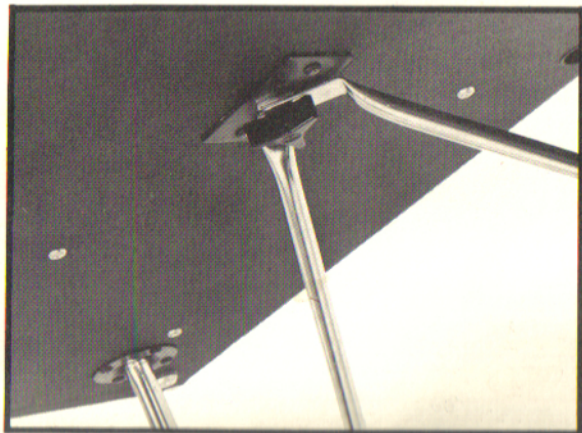


FIGURE 3

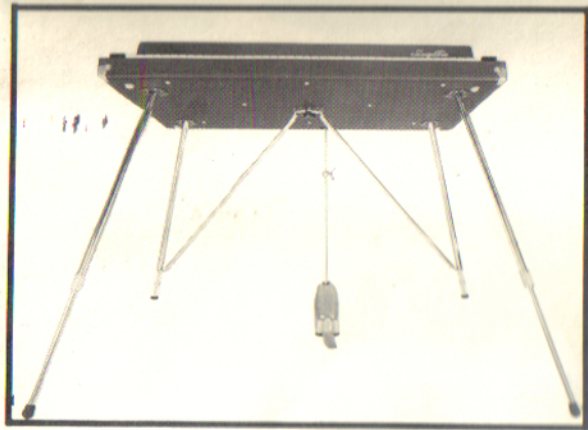


FIGURE 4

centerplate in the bottom of the piano case (Fig. 3). This knob should be threaded in until the knob is about one half-inch from the piano case. The short notched flange on the rear leg support should be set in the quarter-inch space left in the base of the rear leg. The knurled end section should then be tightened to lightly grasp the leg support. The long flanged end should then be hooked over the tri-spoked Bracket Mounting Knob. The same procedure should be repeated with the second leg support. When both leg supports are in position, the knurled leg ends and the tri-spoked Mounting Knob should be tightened. The next step is to pick up the piano and set it on its legs in playing position (Fig. 4).

5. **Installing Foot Pedal.** The Sustaining Pedal should be placed under the piano (Fig. 4) and adjusted to a comfortable position for the player. The end of the tube of the adjustable Sustain Pedal Push Rod should be placed over the pin in the hole at the rear of the sustain pedal housing. Extend the rod until the bar end fits firmly against the damper bar (located through the hole at the rear underside of the piano). The pressure should be just enough to lift the foot pedal off the floor to its highest position. The wing screw should be tightened.

SIGNAL CABLE

The right angle end of the 15-foot Signal Cable should be plugged into the jack on the piano name board (Fig. 5). The other end plugs into the input jack on your amplifier.

OPERATION

VOLUME CONTROL

When the piano is connected to your amplifier, set the volume control on the piano name board so that full volume position 10 is at 12 o'clock. (Fig. 5) Adjust the external amp to the maximum desired volume. Now volume can be regulated by the volume control knob on the piano name board.

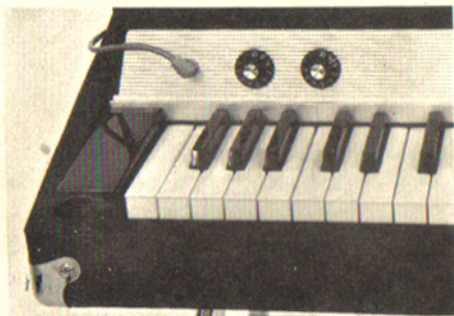


FIGURE 5

TONE CONTROL

Set the tone control knob on the piano name board to position 1 at 12 o'clock. Now adjust the external amp. tone control to your desired tone.

As the tone control on the piano is turned to a higher setting the treble will be increased in proportion to the bass (Fig. 5).

FOOT PEDAL

Foot pedal operates like most piano sustaining pedals.

ADJUSTABLE FRONT LEGS

The front telescoping piano legs can be lengthened so that the piano can

be played in a standing position (Fig. 6). To change piano height, loosen wing nut on pedal rod; loosen knurled collar on one of the front legs and adjust that leg to the proper height and tighten collar; adjust other leg following the same procedures; re-adjust pedal rod. To lower legs, reverse the preceding procedure.



FIGURE 6

MAINTENANCE

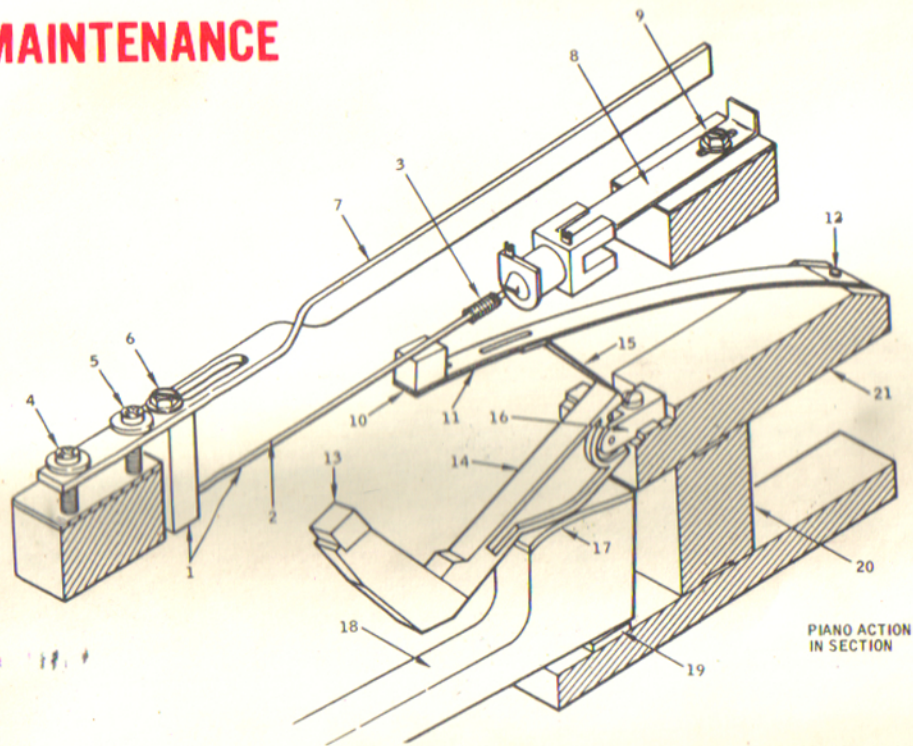


FIGURE 7

1. Tone Generator Assembly
2. Tine (Part of Tone Generator Assembly)
3. Tuning Spring
4. & 5. Tone Bar Adjustment Screws
6. Tone Generator Mounting Bolt
7. Tone Bar

8. Pick-up Assembly
9. Pick-up Adjustment Screws
10. Damper Felt
11. Damper Assembly
12. Damper Mounting Screw
13. Hammer Head Tip
14. Hammer Assembly

15. Bridle Strap
16. Hammer Butt Flange
17. Action Felt
18. Key
19. Keybed Felt
20. Action Support Rail
21. Action Rail

HAMMER-BUTT FLANGE BEARINGS

This is the pivot point of the hammer. Occasionally it would be helpful to spray these bearings with an all-purpose silicone spray.

NEOPRENE HAMMER TIPS

Your piano is equipped with neoprene hammer tips. These tips will only rarely require replacement.

HAMMERHEAD REPLACEMENT

If the hammer tip should need replacement the following procedure should be used.

1. Remove the worn tip and scrape away the remaining glue so the new tip can be mounted on a clean surface. Secure the new tip to the hammer with 3M R No. 8001 Weatherstrip Cement. Replacement tips are available in kit from Fender Dealers.

MAINTENANCE (Cont'd)

DAMPER ARM ASSEMBLY

If there should be insufficient tension between the damper felt (Fig. 7-10) and the tine (Fig. 7-2) or excess slack in the bridle strap (Fig. 7-15), remove the damper release bar and put a slight reverse bend in the damper arm (Fig. 8).

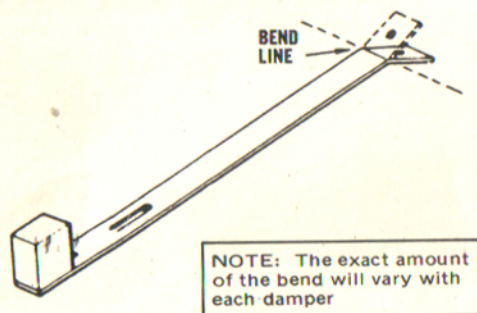


FIGURE 8

When a key is depressed and held, the damper should clear the tine by approximately $1/2''$. If this adjustment needs to be made, bend the

damper up or down at the point indicated by dash lines in drawing (Fig. 9).

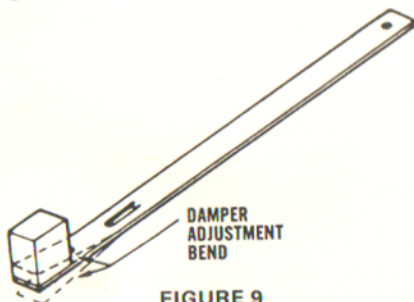


FIGURE 9

STICKING KEYS

If a key should stick or be slow to respond:

1. Depress the adjacent keys on both sides of the sticking key with one hand;
2. With the other hand, grasp the sticking key and rock it vigorously from side to side.

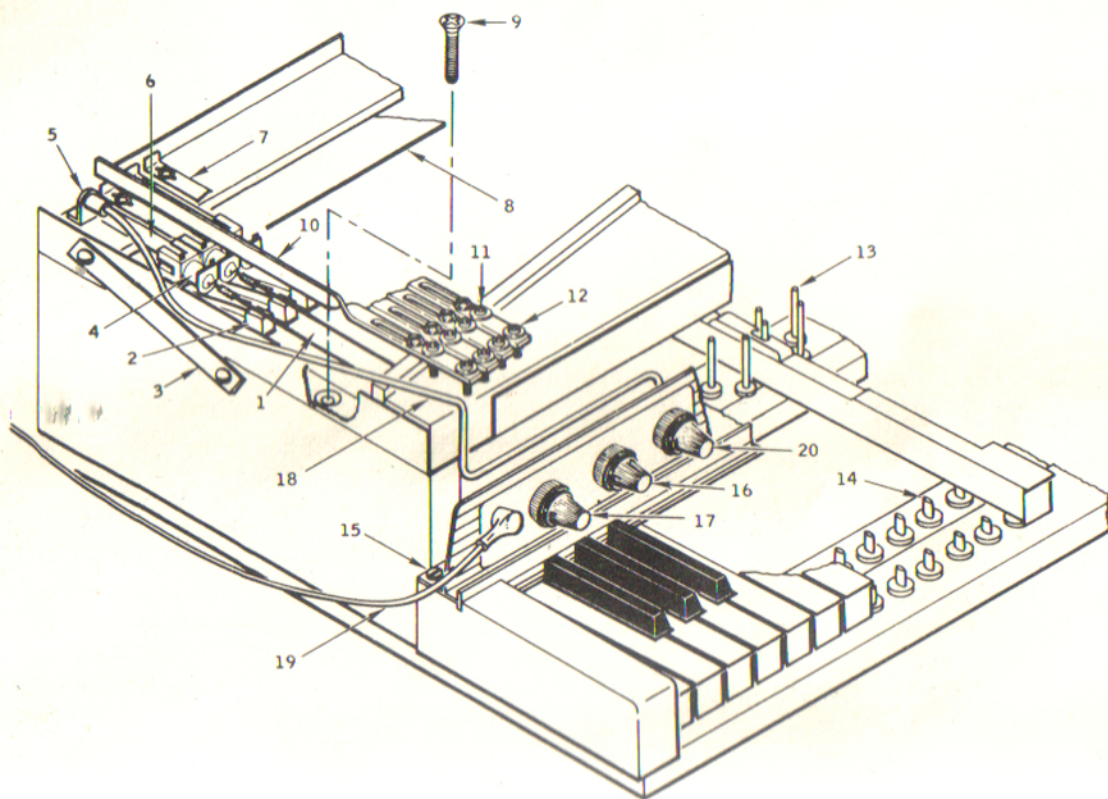
If the above procedure does not alleviate sticking keys, then proceed with the following steps.

1. Disconnect the signal cable to the preamp from the harp assembly at the harp (Fig. 10-5).

2. Remove the two name board mounting screws (Fig. 10-15).
3. Lift off the name board and set aside.
4. Lift out the affected key and turn it upside down. Using any kind of wedge such as a screwdriver, spread the area bounded by the two red felt strips which bear on the front guide rail pins (Fig. 10-14).
5. Raise hammer butt assembly (Fig. 7-14) and replace the key so that it fits on its front rail guide pins (Fig. 10-14).

ESCAPEMENT

Escapement is the word used to describe the distance between hammer and tine when the key is depressed and hammer is in its raised or striking position. For the fastest touch response, this gap or "escapement" should be from approximately $3/32''$ in the extreme upper notes to roughly $3/16''$ in the extreme lower range. Adjusting screws (Fig. 7-4 & 5) control the gap.



1. Tines
2. Dampers
3. Harp Hinge
4. Pick-ups
5. Preamp-jack
6. Pick-up Arms
7. Pick-up Mounting Screws
8. Damper Release Bar
9. Harp Mounting Screws
10. Typical Tone Bar
11. & 12. Tone Bar Adjustment Screws
13. Action Rail Guide Pins
14. Front Rail Guide Pins
15. Name Board Mounting Screws
16. Volume Control
17. Tone Control
18. Signal Cable, Harp Assembly
19. Signal Cable, External, Amplifier
20. Vibrato Control

TUNING

This piano rarely requires tuning. If it becomes necessary to tune a note, first remove the black plastic cover, which encloses the harp assembly, by lifting it off, from the rear.

Reach between the tone bars and move the tine-tuning spring to adjust the pitch (Fig. 12).

For more extensive tuning remove the cover as stated above.

1. Remove four screws (two at each end of the harp assembly).
2. Rotate the harp assembly up: it will pivot on the strap hinges located on each end. The harp assembly will stand free on its back edge. (Fig. 13.)

3. The out-of-tune tine may be tuned by plucking it and the tine of the same note in the next octave to compare the pitch. To raise the pitch, push the tine spring upward. To lower the pitch, pull the spring down toward the end of the tine. Continue to adjust the position of the spring and compare the notes until the tine is in tune.
4. Replace the harp and top to their original positions.

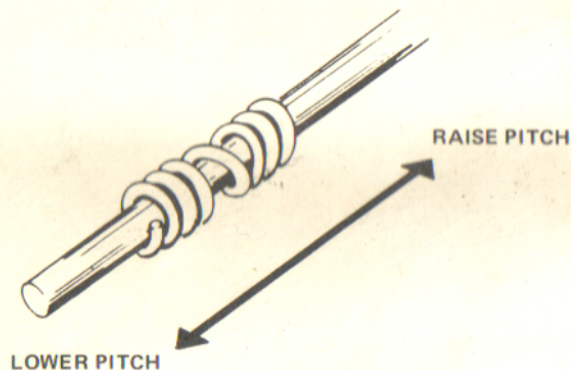


FIGURE 12

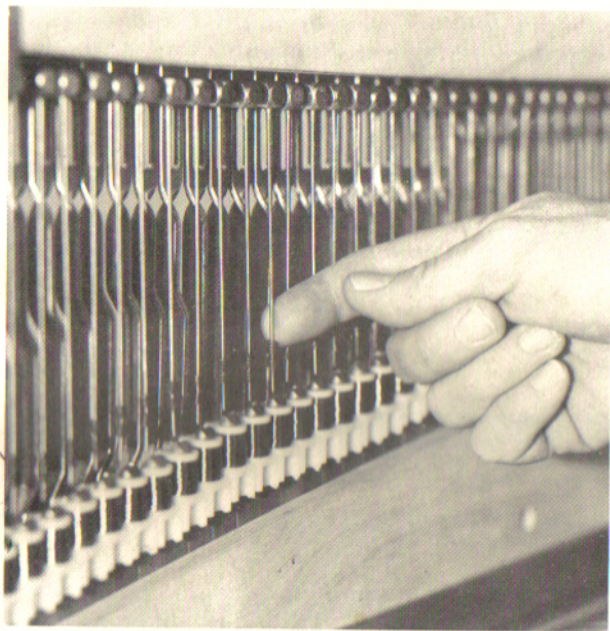


FIGURE 13

Tuning Adjustments

TINES

The tines are especially swaged from the finest grade of spring steel and should last indefinitely under normal use. However, it is possible to drive any piece of metal past its elastic limit, thus under conditions of continued heavy abuse it is possible to work-harden and eventually break a tine. Should this occur, replacement tone generator assemblies are available in kit form (6 per kit) in maximum length. These can be cut to size with ordinary side cutter pliers.

TOOLS

Equipment you will need to maintain the piano.

1. Phillips screw driver #2
2. Slotted screw driver medium
3. Side cutting pliers
4. Knife
5. Can of general purpose silicone spray
6. White glue and weather strip adhesive

INDIVIDUAL NOTE VOLUME AND DYNAMIC RESPONSE

VOLUME DYNAMICS

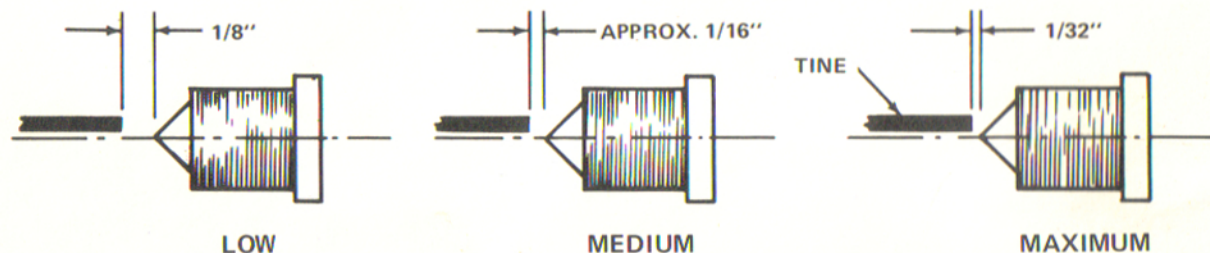


FIGURE 14

TIMBRE

Tone coloring (Timbre) may be altered to suit the individual taste by rotating the set screw. (Fig. 7-4)



This operation results in an increase or decrease in overtone component. The tine is moved in relation to center of the pickup (Fig. 12). To hear the different tone colorings possible, strike a note while moving the adjustment screw.

FIGURE 15

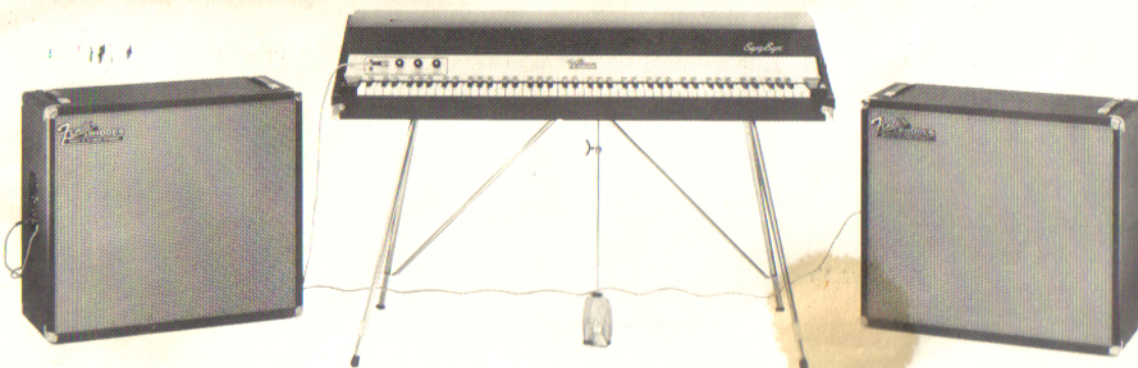
STAGE PIANO PARTS LIST 73 and 88

Description	Part No.
Hammer Assembly w/Bridle Strap & Flange	012819
Hammer Tip Replacement Kit, Neoprene	012820
Tone Generator Assembly Kit, 6 Tines	012824
Pickup Arm Assembly	056614
Control Knob, Tone & Volume	013134
Front Leg Assembly	027563
Rubber Tip	018754
Knurled Leg Nut	012542
Clutch Segments	012609
Clutch Ring	012633
Leg Section, Outer	027480
Leg Section, Inner	027498

Description	Part No.
Rear Leg Assembly	027571
Leg, Rear	027431
Leg, Insert	018747
Leg Section, Upper (extension)	027464
Glide, Adjustable	092957
Leg Brace	027522
Knob, Leg Brace Mounting	012521
Sustain Foot Pedal Assembly	027613
Sustain Rod Assembly	027530

NOTE: All parts must be purchased through an Authorized Rhodes Dealer, Rhodes Keyboard Instruments cannot accept orders direct from the consumer.

SUPER SATELLITE POWER SPEAKER SPECIFICALLY DESIGNED FOR THE RHODES STAGE PIANO



- 200 watts total RMS power with 600 watts peak music power.
- Two matched cabinet modules capable of producing 100 watts RMS power each with two 12-inch speakers and a 100 watt RMS amplifier.
- Preamplifier designed for easy mounting on the nameboard of your Rhodes Stage Piano.
- Ability to position enclosures for best possible sound dispersal and enhance the stereo-like vibrato which has so greatly contributed to that peculiar tone quality now known as "that Rhodes sound."

STAGE PIANO AMPLIFIERS AND ACCESSORIES



TWIN REVERB

A favorite among top musicians. 100 watts RMS power with 200 watts peak music power.

Specifications: Two heavy duty 12 inch speakers.

FIBER CASE SET

For those desiring the utmost in amplifier protection. These cases are of 0.060" fiber, have nickel plated corners, and protect the amp from rough treatment. Cases are available with or without swivel casters.

(NOT PICTURED)



UNIVERSAL STAND

An excellent stand for self-contained amplifiers and separate amplifier tops. This stand offers convenience casters and heavily plated all metal components. It folds to a compact size for easy transportation.



COVER SET

Waterproof, tear and abrasion-resistant covers are available for the Suitcase piano.



FENDER BLENDER

Fuzz and sustain unit for sound modification. Blends and sustains tone to any pre-set level.

OWNER'S
MANUAL

Rhodes
KEYBOARD INSTRUMENTS

Mark I stage piano

73 and 88

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