

TO OPERATE THE MOTORA

Insert the roll as usual and turn until the tracker bar is completely covered. Press the starting button and interpret the roll by use of the Motora manual control lever, the pedals and the regular expression levers.

If you wish to withdraw from the piano, set the Motora manual control lever where it will give you the desired volume of sound.

MAIN AIR CONNECTION TO WIND CHEST

1. Bore 1-inch hole in center of wind chest, front or back, as most convenient. Screw 1-inch flanged elbow over opening, as shown, with screws furnished.

SCREW EYES TO HOLD MOTORA STRAPS

2. Screw screw-eyes, which are attached to adjustable straps, into keybed. Allow 8-inch space from front to back screw eyes.

ATTACHING MOTORA TO STRAPS AND CONNECTING AIR TUBING

Suspend Motora on Straps as High as Possible.

3. Make connection from 1-inch flanged elbow to MOTORA with 1-inch tubing furnished. Cut tubing to suit. See that MOTORA hangs free to avoid noise from vibration.

LOCATION OF STARTING BUTTON

4. Bore 1/4-inch hole in lower left-hand side of music roll box. Bush this hole with felt to accommodate 1/8-inch electric switch pneumatic rod. If end flange on lower spool (take up spool) is too large to conveniently locate starting button in lower side, bore the 1/4-inch hole in upper left-hand side so that it is accessible and in plain view.

ATTACHING STARTING ROD AND ELECTRIC SWITCH PNEUMATIC

5. Push starting rod through 1/4-inch bushed hole in music roll box and line up electric switch pneumatic with it. Then fasten pneumatic to side of piano with screws furnished as shown.

ELECTRIC CORD SWITCH PNEUMATIC TO MOTORA

6. Attach electric cord to electric switch pneumatic and insulate wires and insulate each joint. Connect other end to MOTORA by means of male and female plugs. Bore hole through back or bottom of piano case or carry cord over piano bottom board. In either case connect wire to nearest lamp-socket or base plug to secure electric power.

3/8-INCH AIR TUBE FROM ELECTRIC SWITCH PNEUMATIC TO WIND CHEST

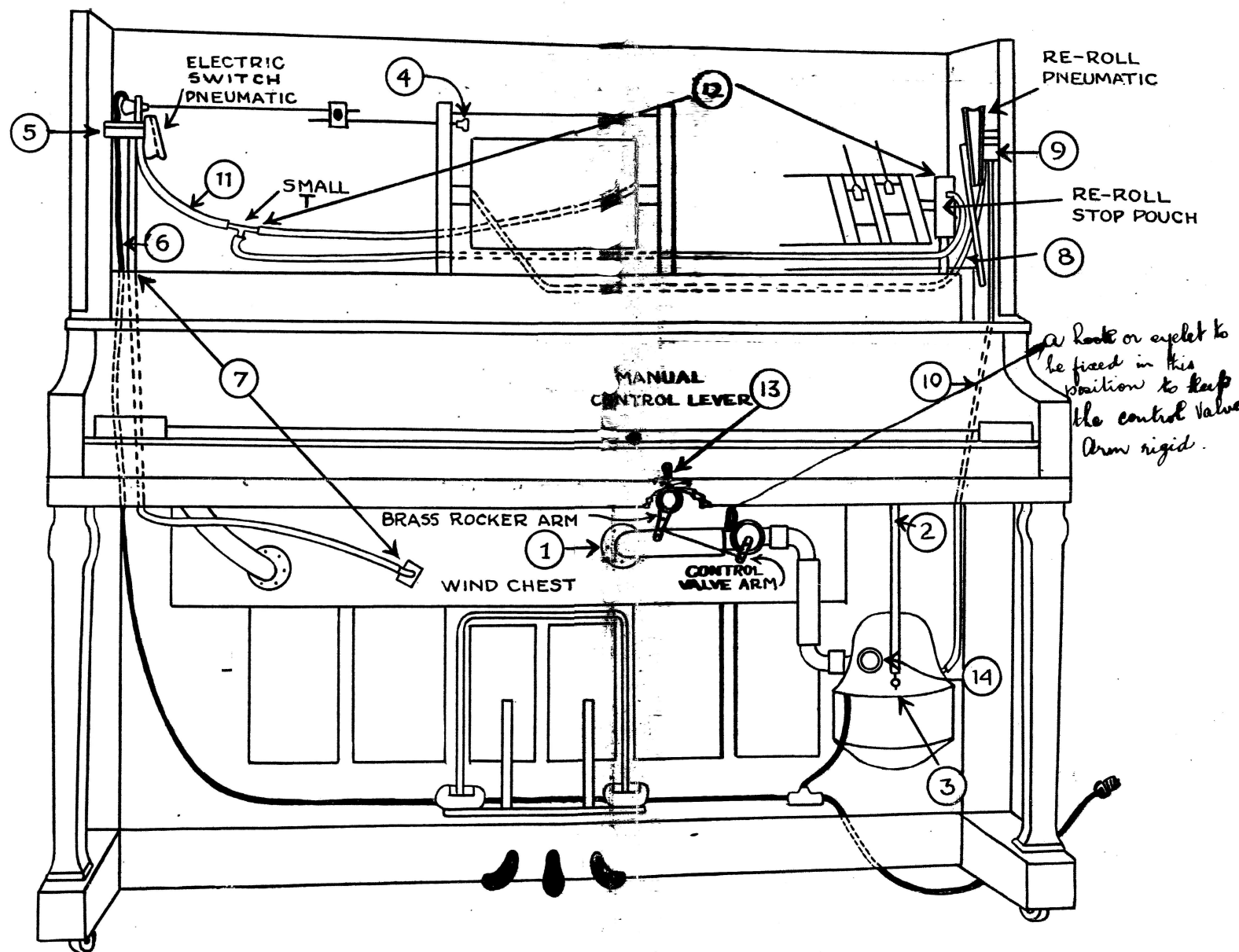
7. Connect 3/8-inch rubber tube to electric switch pneumatic. Drop other end through piano. Bore 3/8-inch hole in bottom wind chest, screw 5/16-inch elbow over hole and connect 3/8-inch rubber tubing to this elbow as illustrated.

WARNING

The MOTORA will only operate on 110 volts. direct or alternating current.

If your voltage is higher than 110, using resistance unit to reduce to 110.

This we can supply if you cannot get it locally.



If the piano upon which you are working presents any difficulties which you do not believe are covered in this chart, kindly advise THE SHROPSHIRE SYNDICATE, Ltd., 31, Queen Victoria Street, London, E. C. 4., of the exact details. Your correspondence will receive immediate and special attention.

1/8-INCH AIR TUBE FOR REWIND PNEUMATIC

8. Cut tube leading from last bass note on tracker bar and seal end going to piano top action. Fit 1/8-inch rubber tube from reroll pneumatic over end of lead tube going to tracker bar as illustrated.

REROLL PNEUMATIC

9. Mount reroll pneumatic on right-hand side of piano case so that flat metal arm screwed to pneumatic is in alignment with piano reroll mechanism as shown.

3/8-INCH AIR TUBE FROM REROLL PNEUMATIC TO WIND CHEST

10. Connect 3/8-inch rubber tube to reroll pneumatic. Drop other end through piano and fasten to 3/8-inch nipple on MOTORA.

3/8-INCH TUBING FOR ELECTRIC SWITCH PNEUMATIC

11. Cut tube leading from last treble note on tracker bar leaving about 10-inch attached to tracker bar and seal end going to piano top action. Fit small rubber tube from electric switch pneumatic over end of tube going to tracker bar. Insert small T in 1/8-inch rubber tubing as illustrated.

REROLL STOP POUCH

12. Cut wind motor tubing and insert re-roll stop pouch block as shown. Outlet on side of block should be towards wind motor and outlet on end of pouch towards bottom action. Connect 1/8-inch tubing to ferrule on pouch block and lead other end over to small T and connect as shown. This pouch works with the same air that operates electric switch pneumatic and stops the wind motor instantly at end of re-roll.

MANUAL CONTROL LEVER

13. Cut a slot in key-slip next to rewind lever to accommodate brass hand control lever. Attach 1/4-inch iron rod to under side of key-bed with metal straps. Attach brass hand lever to this rod through slot. Cover slot with Loud and Soft name plate. Fasten brass rocker arm to 1/4-inch rod with set screws and line this brass rocker arm as near parallel as possible with control valve arm. Attach the double 1/8-inch connecting rod, one end to brass rocker arm, the other end to control valve arm. Adjust the double 1/8-inch connecting rod so that when the manual control lever is on soft the control valve is not entirely shut off.

POWER REGULATOR

14. This power regulator or bleed valve is adjusted at the factory so that the MOTORA develops suction power equal to water raised in a tube 30 inches, commonly called a 30-inch water column lift. If after installation MOTORA plays with too much power, turn the knurled nut screw on the regulator to the left slightly to soften. **Caution:** Never entirely close this power regulator as the air drawn through it assists in cooling the MOTOR.

During the playing of the music roll if electric switch pneumatic shuts off the current same may be due: (1) to perforation in roll passing over the last treble hole in tracker bar, (2) to a tiny pin hole in 1/8-inch rubber tubing leading to electric switch pneumatic, (3) the bleed in reroll stop pouch may be too large. If so, close it up with a little wax or glue.

WHEN SHIPPING PLAYER WITH MOTORA INSTALLED

After installation and proper testing, unsling MOTORA and pack in separate case.