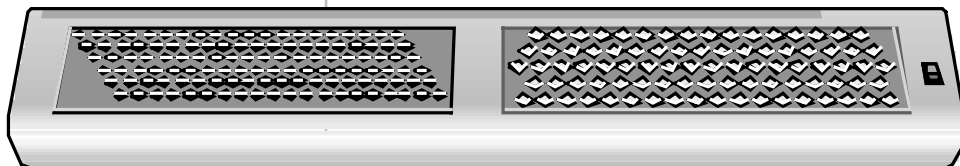




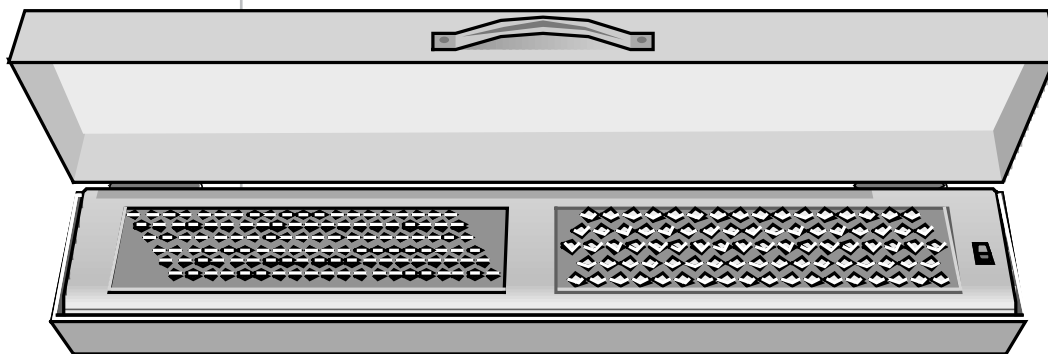
USER GUIDE and INSTALLATION KIT

KEYBOARD KIT
PRO-2000



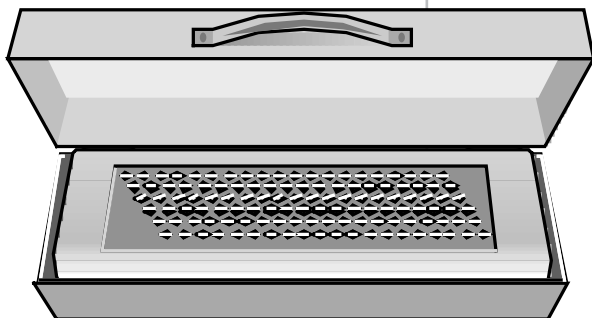
MK1603-020

MASTER KEYBOARD
PRO-2000



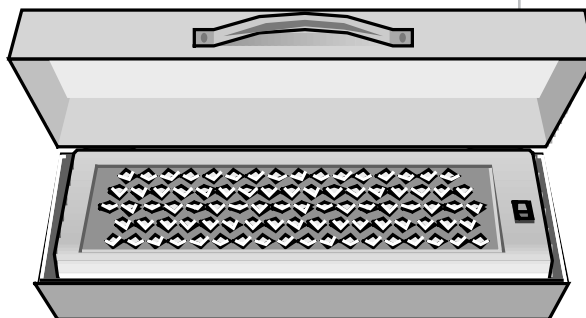
MK1603-010

KEYBOARD
PRO-2000 left hand (bass)



MK1603-030

KEYBOARD
PRO-2000 right hand (treble)



MK1603-040



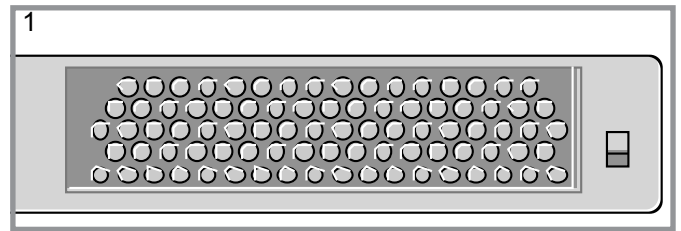
MASTER PRODUCTION snc
Via C. Colombo, 103
60022 Castelfidardo (AN) Italy
Tel. +39-071-7820100
Fax. +39-071-7824098

INTRODUCTION

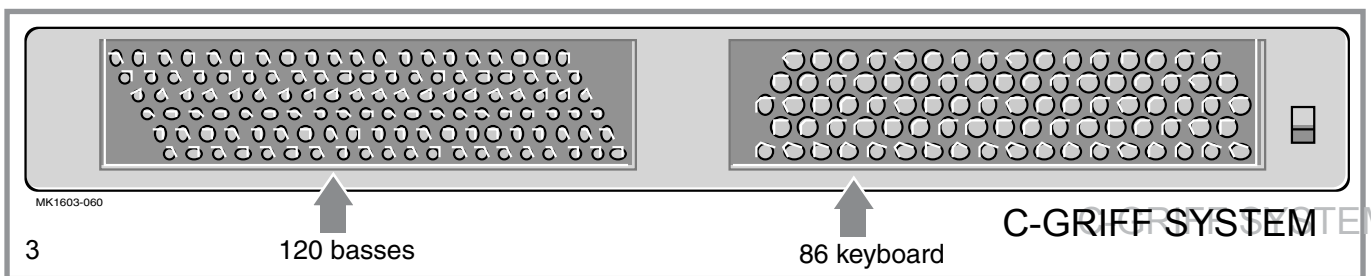
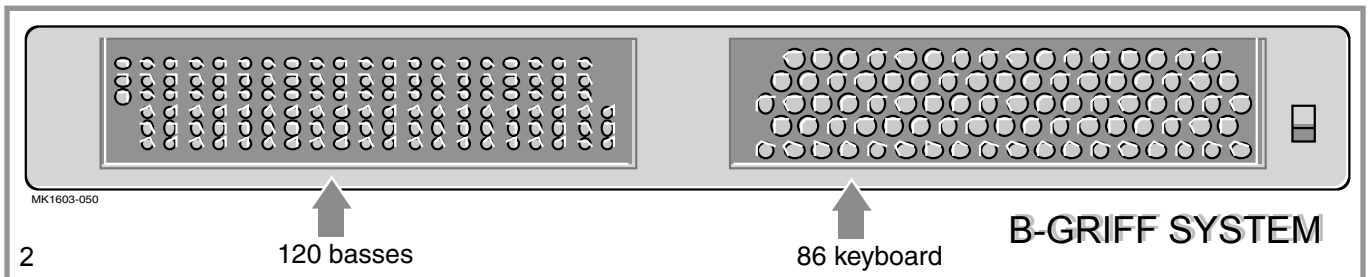
The PRO-2000 keyboard (KIT version KIT or MASTER KEYBOARD version) allows a chromatic accordionist to play an type of expander or midi keyboard. An accordionist can play as any normal keyboard player, connected to commercial keyboards of brand names such as KORG, SOLTON, TECHNIKS, YAMAHA, ROLAND...

MECHANICAL FEATURES

The PRO-2000 chromatic keyboard reproduces the traditional accordion perfectly, both in the pass as well as the key sensitivity, thanks to the sophisticated spring system with rings, specifically designed for this system.



MK1603-050

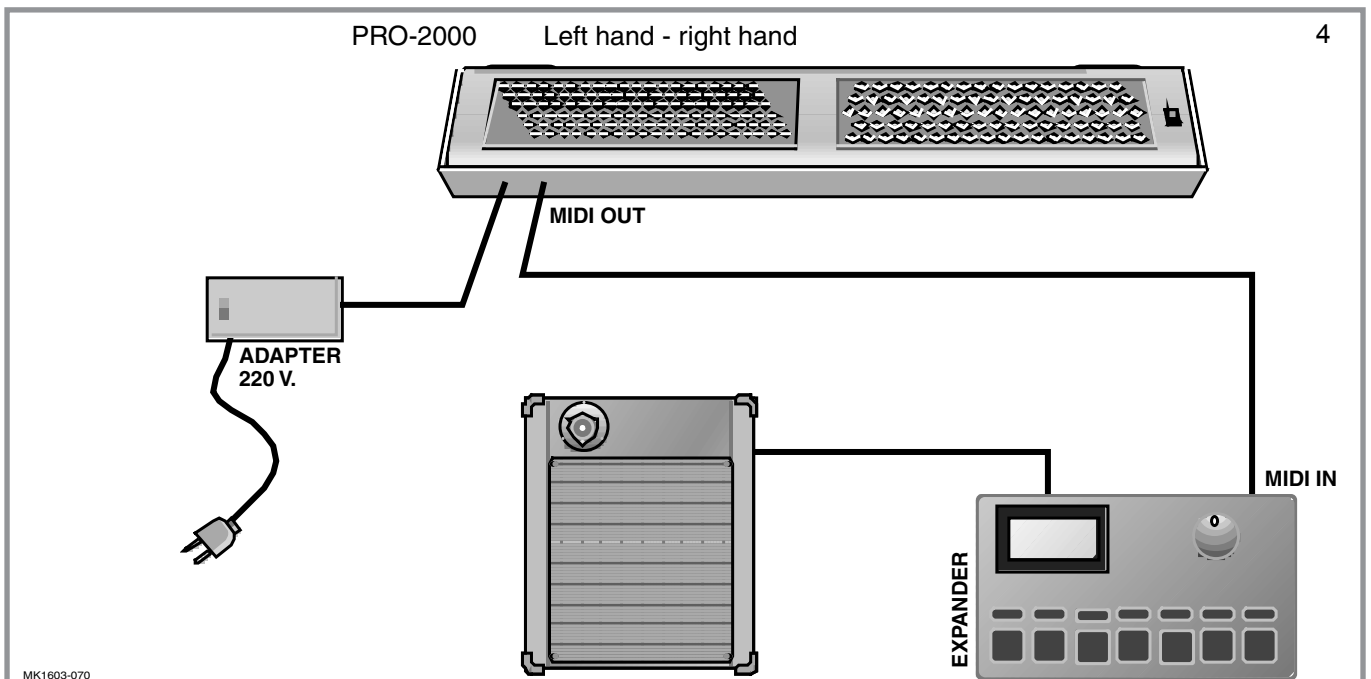


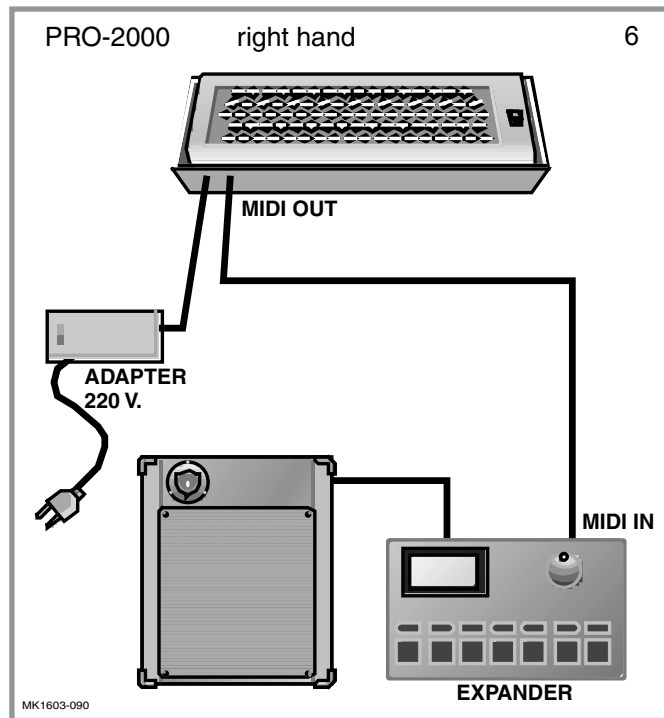
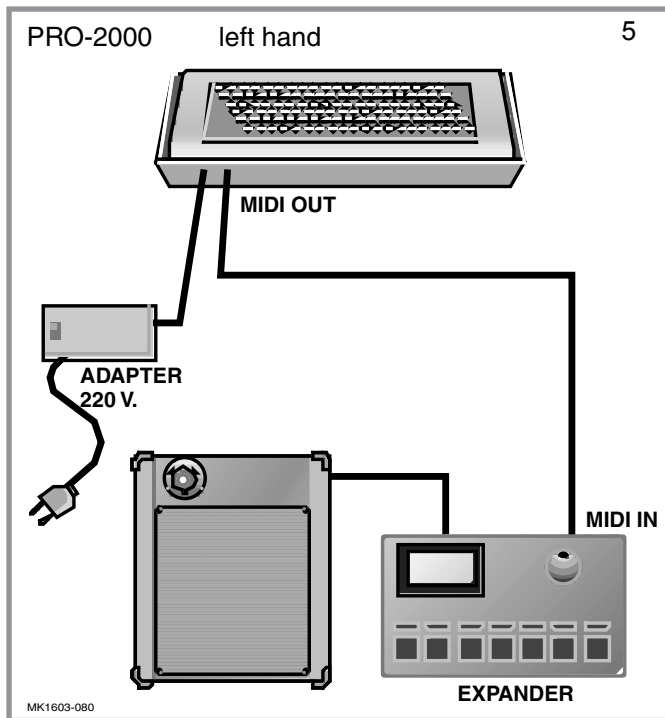
NOTE!

The two systems differ in the basses:

- B-GRIFF SYSTEM (fig. 2) 120 basses configured in a straight line
- SISTEMA C-GRIFF (fig. 3) 120 basses configured diagonally

KEYBOARD CONNECTION





TECHNICAL SPECIFICATIONS

PRO-2000 chromatic is a dynamic, midi keyboard which operates on three separate sections:

- KEYBOARD (right hand);
- BASSES (left hand);
- CHORDS (left hand).

MIDI CHANNELS

Keyboard section	right hand	MIDI CHANNEL 1
2° chanel keyboard section	right hand	MIDI CHANNEL 4 - SOLO
Bass section	left hand	MIDI CHANNEL 3
Chord section	left hand	MIDI CHANNEL 2

VOLTAGE

- 5 Vcc

POWER

- 200 mA

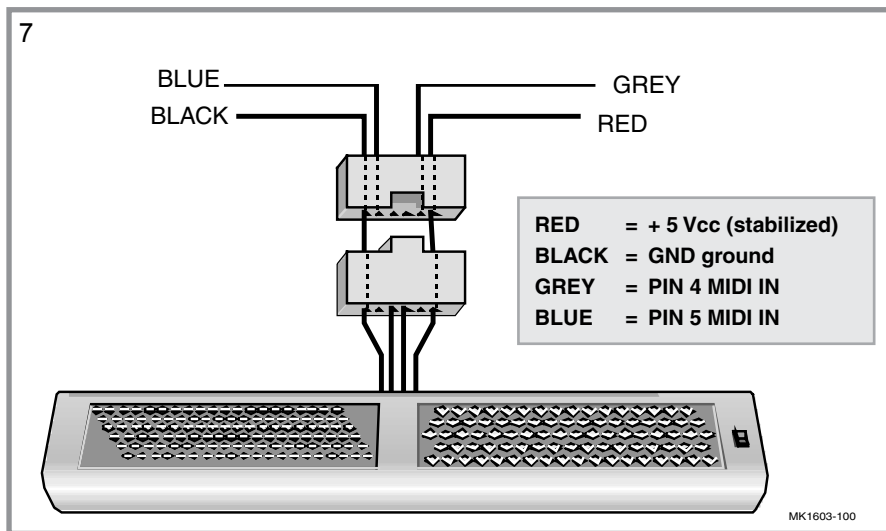
VELOCITY FOR RIGHT HAND

- ON / OFF

CONTACT SYSTEM

Silver plated spring contacts with gold plated contact bar with triple galvanic treatment for greater reliability and duration.

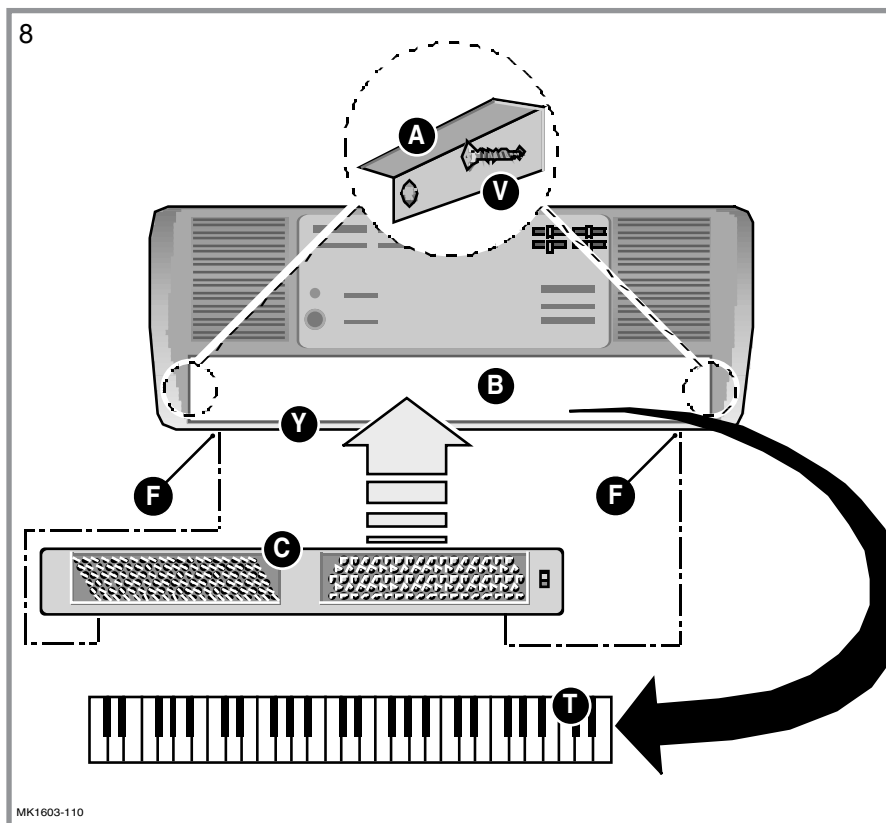
Electrical contacts (PRO-2000 version) in kits to install on keyboards



The electrical connections for the chromatic keyboard kit are made by connecting 4 wires found inside the main keyboard when the kit is installed. A small connector with 4 wires of different colours is provided for the purpose.

- Connect the wires as represented in the figure:
- Connect by soldering the RED and BLACK wires for the power on the power circuit of the main keyboard.
- Connect by soldering the GREY and BLUE wires for the signal at the "MIDI IN" part of the main keyboard.

Procedure to mount the mechanics (KEYBOARD KIT PRO-2000 version)



Install the PRO-2000 keyboard using the following procedure:

- Remove the piano keyboard T by removing the fixing screws.
- Screw the two small supports A to the extreme ends for the chromatic keyboard C, using the supplied self-tapping screws V.
- Drill two holes F on the back panel of the main keyboard Y, aligned with those on the chromatic keyboard C (F1).
- Insert the chromatic keyboard C in the space Y and lock it in place with the supplied self-tapping screws.
- Check that inside the opening B there are no circuits which could interfere with the chromatic kit. In such cases, insert spacers under the fixing points F.

Tests and conformity certificates for the PRO-2000 keyboard:

- Strike test: guaranteed 1.000.000 strikes;
- Electromagnetic compatibility + electrical security;
- Conforms with:
 - Temperature $- 10^{\circ}\text{C} + 50^{\circ}\text{C}$
 - Continuous humid heat $+ 40^{\circ}\text{C} + 2^{\circ}\text{C}$
 - 93% + 3%
 - Random vibration (simulation and transport)
 - Measure of the strength of screw loosening
 - Identification of vibration axes