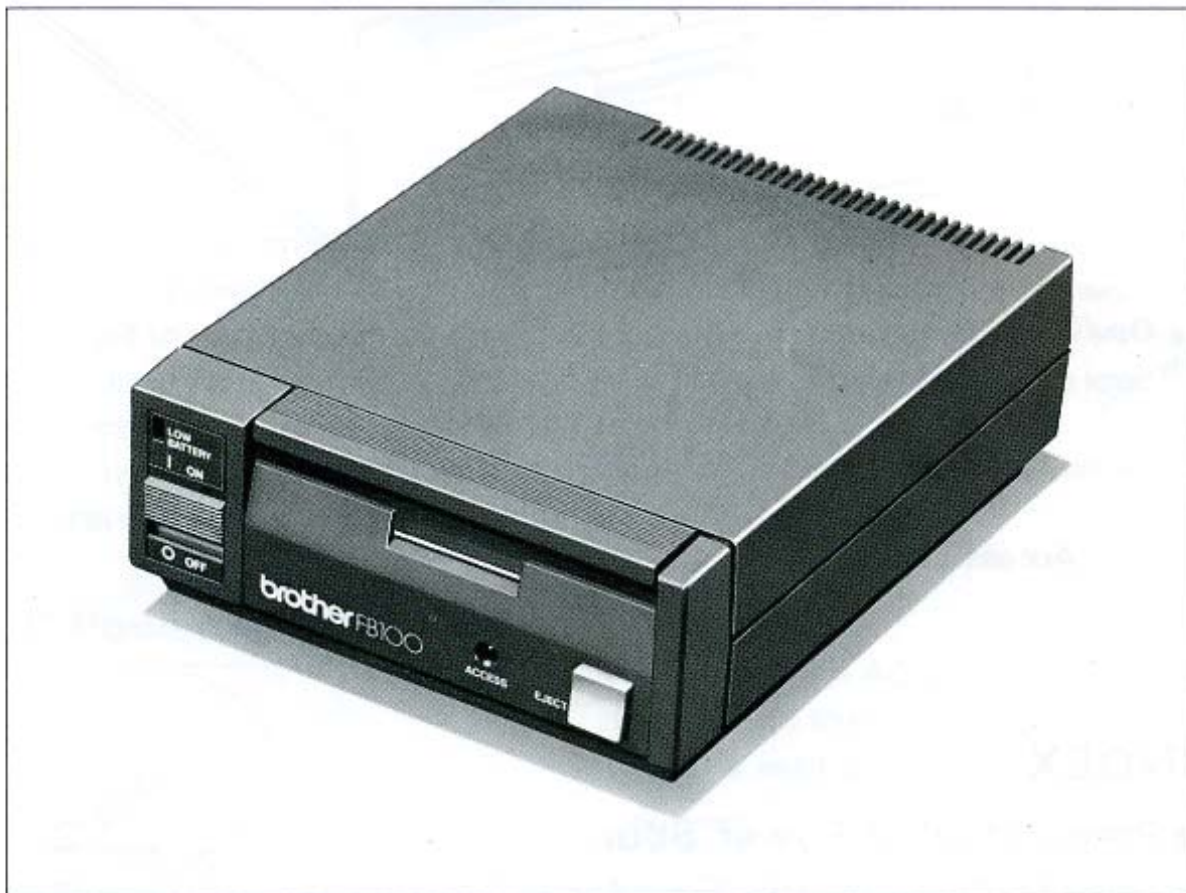


brother®

3.5 Inch Micro Floppy Disk Drive

FB-100

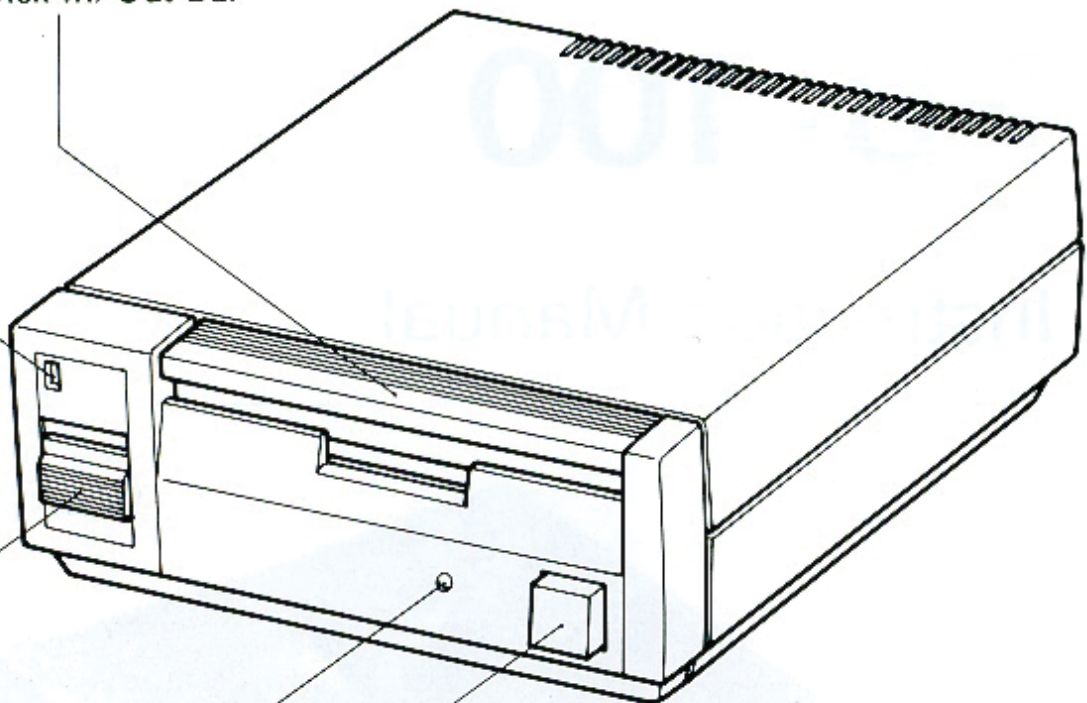
Instruction Manual



Parts Identification

Low Battery Alarm Lamp

Disk In/Out Bar



Power On/Off
Switch

Eject Button

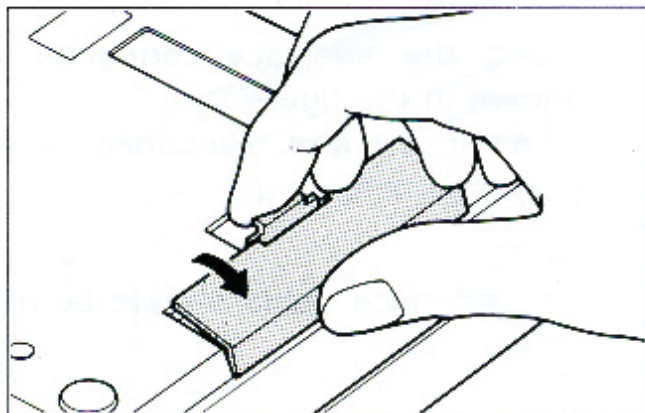
Access Lamp

INDEX

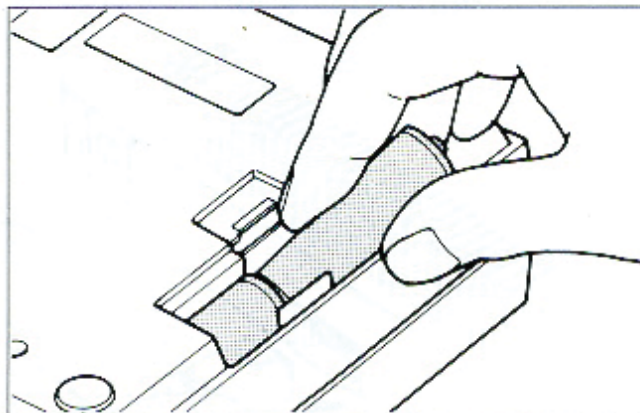
● Preparation of Power Source	2
● How to Connect the Interface Connector	3
● Power Switch On	3
● Setting of the Disk	4
● Preservation of the Disk	5
● Handling of the Disk	5
● Notice	6
● Specifications	6

Preparation of Power Source

■ Battery Installation



- ① Press the tab and remove the battery compartment cover.

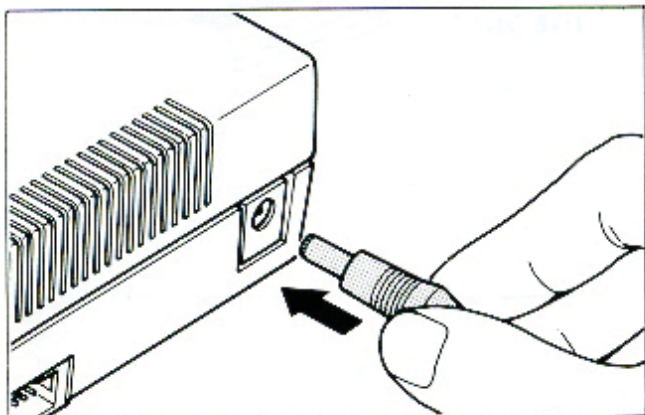


- ② Insert four dry cell batteries of size "AA." Make sure illustrated the batteries are set as illustrated in the battery compartment.
- ③ Replace the battery compartment cover.

NOTE

- 1: When the batteries become weak, the "LOW BATTERY" indication will light up. When this happens, replace all four batteries with new ones.
- 2: Turn off the power switch when the unit is not being used. If the unit is not to be used for a long time, or if the AC adaptor is to be used for a long time, remove the batteries to avoid the fluid leakage.
(Be aware that even commercially available batteries which are guaranteed may sometimes leak.)

■ AC Power Adaptor (Option)

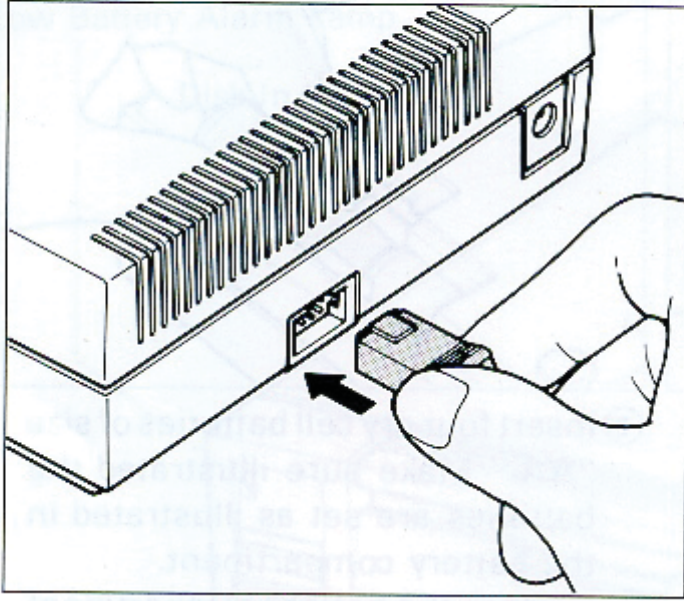


Connect the AC adaptor to the DC6V jack, and then plug the adaptor cord into a wall outlet.

NOTE

- 1: Be sure to use the AC adaptor of DC6V.
- 2: The batteries will be automatically disconnected from the power supply circuit when the AC adaptor is connected.
- 3: If the unit is not used for a long time, disconnect the AC adaptor from both the wall outlet and this unit's jack.
- 4: Don't connect and disconnect the AC adaptor when the disk is inserted in the unit.

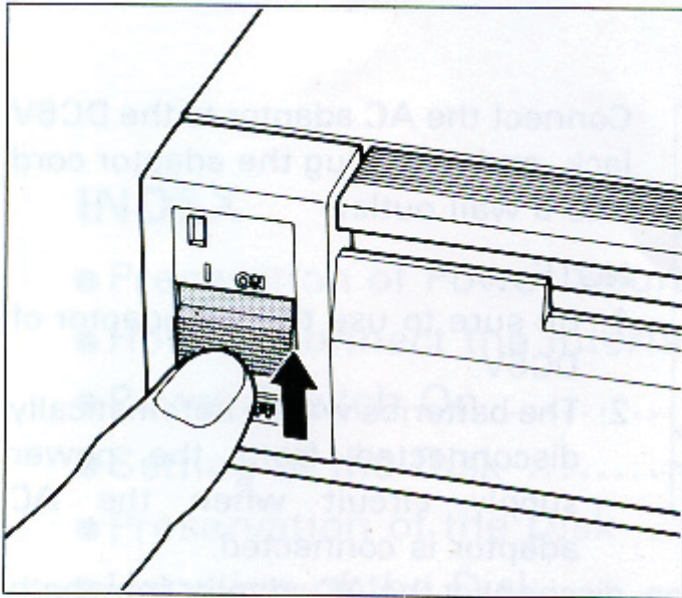
How to Connect the Interface Connector



Insert the interface connector as shown in the figure.
Don't insert and disconnect when power switch is on.

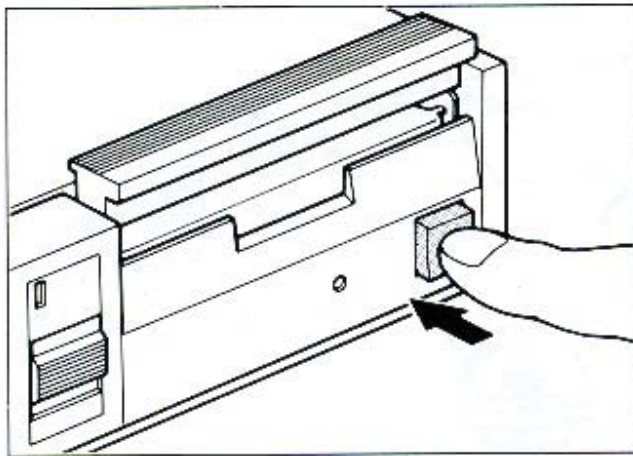
NOTE:
The interface cable should be of a shield type.

Power Switch On

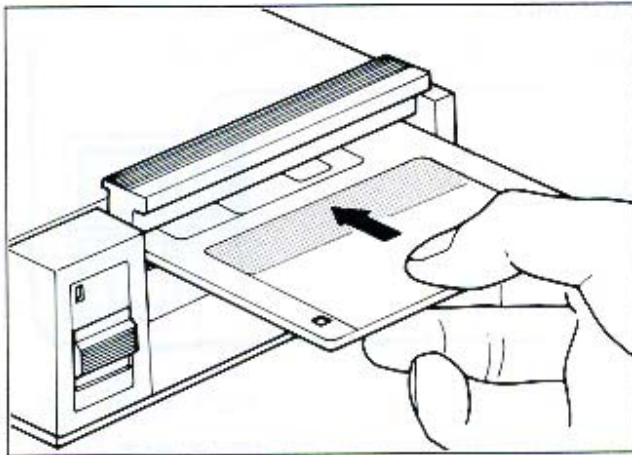


Don't turn on and off the power switch when the disk is inserted in the unit.

Setting of the Disk



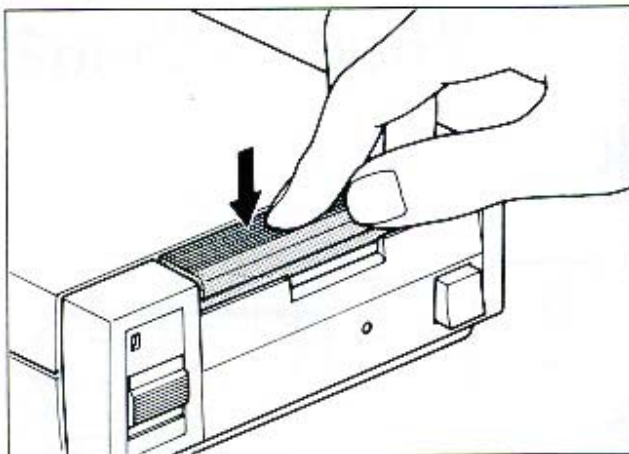
① Push the eject button.



② Insert the disk as shown in the figure.

NOTE

- 1: Please use the 3.5 inch floppy disk.
- 2: If you insert the disk wrong side, damage will be caused.



③ Push down the disk in/out bar.

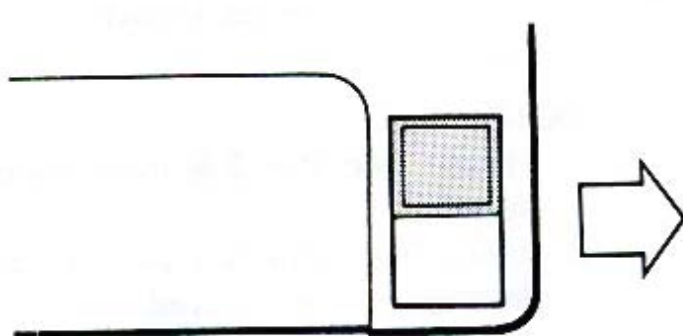
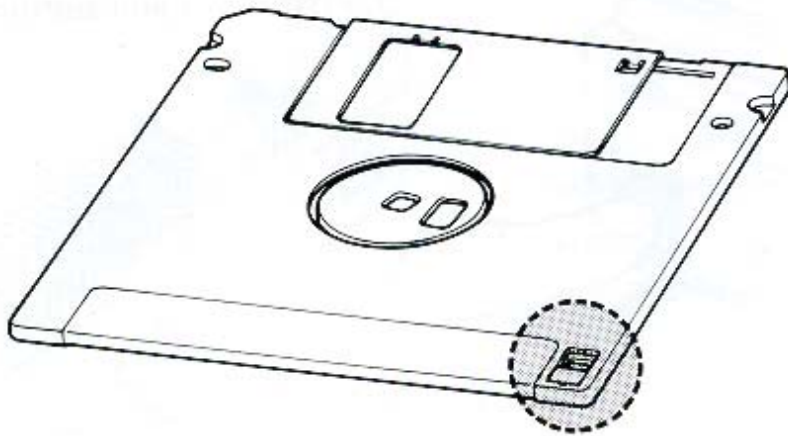
NOTE:

When you take out the disk from the unit, push the eject button.

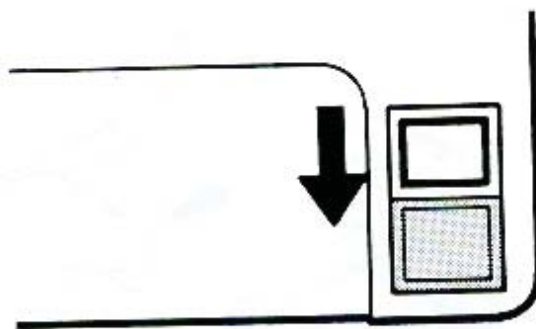


When the "ACCESS" lamp lights up, don't take out the disk from the unit.

Preservation of the Disk (Memory Protection)

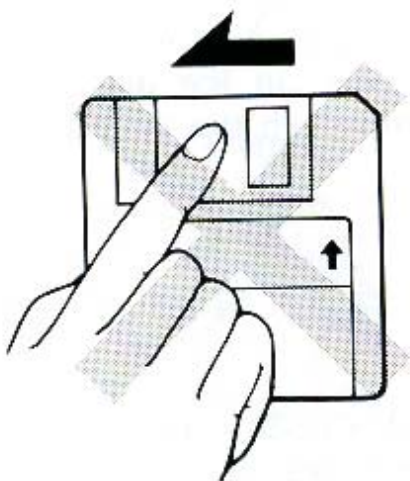


When the red pinch is at the upper side, the data can be written.

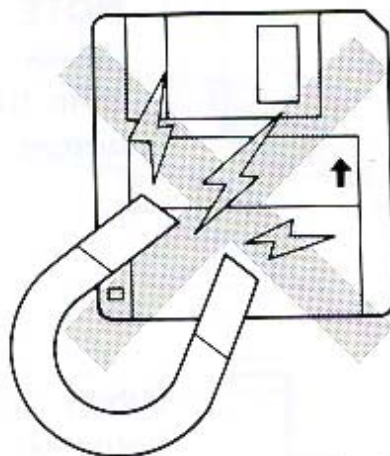


When the red pinch is at the lower side, the data are protected from miserasion.

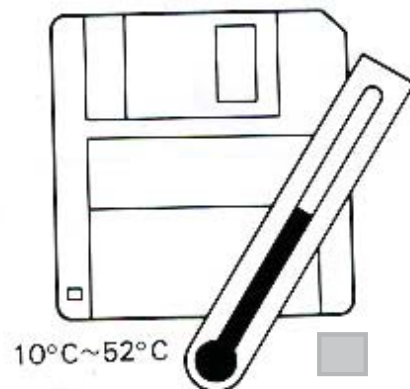
Handling of the Disk



Don't open the shutter of the disk and touch the surface directly.



Don't use magnetic materials near the disk.



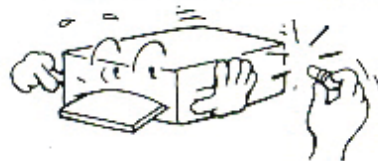
10°C~52°C

Please note the condition of temperature.

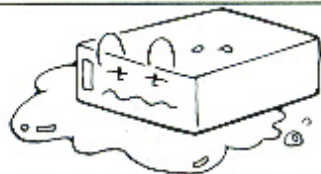
Notice



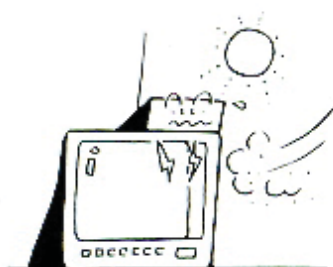
Don't use the unit as placed sideways or upside down.



Don't turn on/off the power switch when the disk is inserted in the unit; otherwise, the data may be lost.



Take care not to let water or liquid matter into the unit FB-100. If they invade the inside, the unit may be damaged.



Take care not to keep the unit near heating devices such as a stove; otherwise, the inner parts may be damaged. And take care not to locate the unit near appliances which generate magnetism, at places where the sun shines directly to the unit, and at humid dusty places.

Specifications

Storage capacity	100 K bytes
Number of side	1
Recording method	FM
Power source	4 dry cell batteries of size "AA" (AM-3, LR6), AC 6V adaptor
Power consumption	Max. 1.5W
Dimensions	165.5 (L) x 132.5 (W) x 55 (H) m/m
Weight	850 g (including 4 batteries)
Environmental temperature	5°C~40°C
Environmental humidity	20%~80%
Media used	3.5 inch micro floppy disk
Interface	RS232C

Specifications are subject to change without notice.

FLOPPY DISC DRIVE UNIT FB-100 (Optional accessory)

If you use the Floppy Disc Drive Unit, you can save created pattern data on the disc, or load pattern data from the disc to the knitting machine.

◆ Use 1D, 2D, 1DD, or 2DD discs.

● BEFORE YOU BEGIN TO PROGRAM

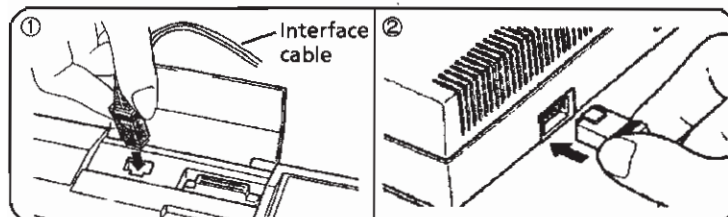
Please read the leaflet accompanying the Floppy Disc Drive Unit before you connect it to the power.

NOTE

- Make sure that the disc is not set in the unit and the Disc In/Out Bar is pushed down before you turn the power switch on or off.
- Do not take out the disc or do not turn off the power switch of both the disc drive and knitting machine while the access lamp is lit.
- After operating the disc drive, switch off both the knitting machine and the disc drive immediately. Then disconnect the interface cable from the knitting machine before knitting.

CONNECTING THE FLOPPY DISC DRIVE UNIT TO THE ELECTRONIC KNITTING MACHINE

Make sure the power switches for both the knitting machine and the disc drive are turned OFF.



- ① Open the lid of the interface cable slot.
Plug the interface cable into the knitting machine.
- ② Plug the other end of the interface cable into the disc drive.
- ③ After turning on the Power Switch of the disc drive put the disc into the disc drive.
- ④ Turn on the knitting machine power switch. (Make sure the READY lamp is lit.)

● HOW TO FORMAT YOUR DISCS

550

Before you use a new disc to store pattern information from your electronic knitting machine, you need to prepare the new disc to make it ready to accept your data. This preparation process is called "formatting". Remember to do this for every new disc.

CAUTION: If you format a disc that has pattern data already stored on it, this data will be erased.

- ① With the ready light on enter the Command Number 550 and push the STEP key.
(The indication in the Display and all lamps go off, and the access lamp of the disc drive is lit. The computer begins to format the disc.)
◆ It takes about 100 seconds to finish formatting.
- ② When formatting is finished, the buzzer sounds "Pi!" and indication lamps are as they were before you entered the Command Number 550.

● HOW TO SAVE YOUR PATTERN DATA

552

You can store on disc the data which has been memorized by your electronic knitting machine. Once the patterns are stored on the disc, you can load them back into the machine time and time again.

- Use a disc which has been formatted.

Information that can be saved on disc

All the pattern data and memo information relating to the pattern entered in your knitting machine can be stored on disc.

Capacity of the Disc

There are 2 tracks on each disc, and one track will hold all the patterns you have created in your knitting machine (i.e. one complete memory).

Each track is automatically given a number by the computer.

Mode of the Disc for saving your pattern data

You can use the discs formatted by KH965i, KH940, and KH950i. You can use the discs of KH965 and KH270 mode as well.

- ① With the ready light on enter the Command Number 552 and push the STEP key.
(The indication in the Display goes out, and the READY lamp and Pattern No. lamp are lit. The access lamp of the disc drive is lit.)

The computer checks the track number on the disc.
The track number on which you can save the data is then shown in the Display.

(ex.)

1

◆ The track number is used when you want to load your pattern data, so it is advisable to write this on your design sheet.

- ② Push the STEP key. (The computer starts to save the data.)
◆ It takes 2 - 3 minutes to finish saving.
- ③ When saving is finished, the buzzer sounds "Pi!" and the indication lamps are as they were before you entered the Command Number 552.

▶ HOW TO LOAD YOUR PATTERN DATA


551

When you want to knit the saved pattern data you have stored on the disc, you need to load it back into your knitting machine.

- Enter the Track no. which contains the pattern you want to load, and then enter the Pattern no.
Repeat this operation when you want to load more patterns.
 - The pattern data loaded from the disc is saved in the memory for your created patterns in the knitting machine. The machine will re-allocate that pattern the next available number on your machine.
- NOTE: Once you load pattern data from a disc into the machine the programme information for the last pattern you knitted will have been deleted. If you have modified or deleted the memo information of a built-in pattern, it will have reverted back to its original form.

Mode of the Disc for loading your pattern data

You can load the pattern data in the discs for KH965i, KH965, KH950i, KH940, KH930, KH933, KH900 and KH270.

- 1) With the ready light on enter the Command Number 551 and push the STEP key.
(The indication in the Display goes out, and the READY lamp and the Pattern No. lamp are lit.)
- 2) Enter the track number which contains the pattern you want to load.
 - ◆ You can stop loading the pattern data by pushing the 0 key and the STEP key at this stage.
- 3) Push the STEP key. (The Pattern No. lamp is lit. The number of the last pattern on the disc will show in the window.)
- 4) Enter the pattern number which you want to load.
- 5) Push the STEP key. (The machine gives the pattern the next available number in its memory.)
The new Pattern no. is flashing on and off. --- (ex.)  --- Enter this Pattern no. when you program the pattern.
- 6) Push the STEP key.
(The indication in the Display and all the lamps go out, and the access lamp of the disc drive is lit. The computer starts to load the data.)
- 7) When loading is finished, the buzzer sounds "Pi!" and the READY lamp is lit.
No number appears in the display because the pattern program entered before has been deleted.

▶ HOW TO DELETE YOUR PATTERN DATA

553

The saved pattern data stored on a disc can be deleted one track at a time.

NOTE: If you want to delete ALL the pattern data stored on a disc, then carry out the formatting procedure and this will erase all the data.

Mode of the Disc for deleting your pattern data

You can delete the pattern data (the track) which you have stored in the discs for KH965i, KH965, KH950i, KH940, and KH270 mode.

- 1) With the ready light on enter the Command Number 553 and push the STEP key.
(The Memo Display shows the number 0 and the READY lamp and the Pattern No. lamp are lit.)
- 2) Enter the track number which contains the pattern you want to delete.
 - ◆ You can stop deleting your pattern data by pushing the 0 key and the STEP key at this stage.
- 3) Push the STEP key.
(The indication in the Display and all lamps go out, and the access lamp of the disc drive is lit. The computer starts to delete the data.)
- 4) When deletion is finished, the buzzer sounds "Pi!" and indication lamps are as they were before you entered the Command Number 553.

▶ WHAT TO DO IF "E" APPEARS IN THE DISPLAY WHEN YOU ENTER THE PATTERN NO.,

PATTERN No. + E

CAUSE

The pattern entered is not saved in the track you have loaded. Or there is not enough space for it to be loaded into the memory.

SUGGESTED ACTION 1

- 1) Turn off the power switch of the knitting machine to finish the program, and turn it on again.
- 2) Confirm the Pattern no. and the Track no., and program the pattern from the beginning.

▶ If "E" appears in the display again, refer to **SUGGESTED ACTION 2.**

SUGGESTED ACTION 2

Select the unnecessary patterns out of your own patterns in the knitting machine and delete them.

- 1) Turn off the power switch of the knitting machine to finish the program and turn it on again.
- 2) Delete unnecessary patterns.
(See page 27 - ② in the instruction book)
- 3) Now load the pattern again.

NOTE: The memory capacity of KH965i is a little bit smaller than ones of KH940, KH950i and KH270 because of the additional new functions. Therefore it may not load all the patterns on one track of the disc for KH940 mode etc.