

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

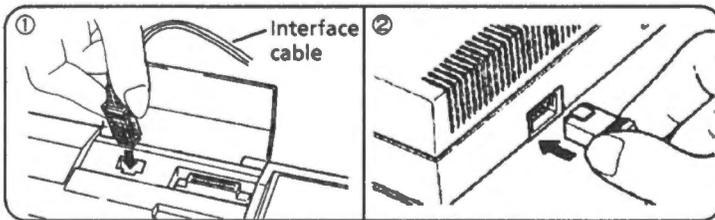
Please read the leaflet accompanying the Floppy Disc Drive Unit before you connect it to the power.

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.

● WHAT TO DO WHEN AN ERROR MESSAGE APPEARS,

See below the procedure of ERROR MESSAGE No. which appears in the display.

NOTE: When finishing the program, follow the procedure on the right.

When finishing the program:-

- ① Remove the disc from the disc drive.
- ② Turn off the power switches for both the disc drive and the knitting machine.

MESSAGE No. 0

CAUSE

The disc is not usable for KH965i.

◆ See the mode of the disc on page 1-2.

SUGGESTED ACTION 1

Set the appropriate disc.

- ① Change the disc.
- ② Push the STEP key. The computer begins the program again.

SUGGESTED ACTION 2

Format the disc for KH965i and save the pattern data.

◆ In this case, all pattern data already stored on the disc will be erased.

- ① Turn off the power switch of the knitting machine, and turn it on again.
- ② Format the disc, then save the pattern data again.

MESSAGE No. 1

CAUSE 1

The power switch of the disc drive is not on.

SUGGESTED ACTION

- ① Remove the disc from the disc drive.
- ② Turn on the power switch of the disc drive.
- ③ Insert the disc into the disc drive and push the STEP key. The computer begins the program again.

CAUSE 2

A: The disc drive and the knitting machine are not connected correctly with the interface cable.

B: The AC adaptor of the disc drive is not plugged in or the battery of the disc drive has been used up.

SUGGESTED ACTION

- ① Remove the disc from the disc drive.
- ② Turn off the power switches for both the disc drive and the knitting machine.
- ③ A: Connect the interface cable securely.
B: Fit the appropriate batteries into the disc drive or connect the AC adaptor.
- ④ Turn on the power switches for both the disc drive and the knitting machine.
- ⑤ Insert the disc into the disc drive and start the program again.

MESSAGE No. 2

CAUSE

The disc drive is not working correctly.

Check the disc drive is level and not near any electrical appliances except the knitting machine.

SUGGESTED ACTION

- ① Remove the disc from the disc drive.
 - ② Turn off the power switches for both the disc drive and the knitting machine, and turn then on again.
 - ③ Insert the disc into the disc drive, and start the program again.
- ◆ If the Memo Display shows Error Message No. 2 again, there is a defect in the disc drive. Have the disc drive checked by your service dealer.

MESSAGE No. 3

CAUSE

The disc is not inserted in the disc drive.

SUGGESTED ACTION

Insert the disc into the disc drive and push the STEP key. The computer begins the program again.

MESSAGE No. 4

CAUSE

The disc is write-protected.

SUGGESTED ACTION

- ① Remove the disc from the disc drive. Cancel the write-protect setting. (Refer to the leaflet accompanying the Floppy Disc Drive Unit.)
- ② Replace the disc into the disc drive and push the STEP key. The computer starts the program again.

MESSAGE No. 5

CAUSE

The disc is not formatted.

SUGGESTED ACTION

Use this disc again after you have formatted it.

- ① Turn off the power switch of the knitting machine to finish the program, and turn it on again.
- ② Now format the disc.

MESSAGE No. 6

CAUSE

Pattern data is not saved on the track number you programmed.

SUGGESTED ACTION 1

Re-enter another track number.

- ① Push the CE key to clear the error message.
- ② Enter the new track number.
- ③ Push the STEP key. The computer starts the program again.

SUGGESTED ACTION 2

Insert the correct disc into the disc drive.

- ① Change the disc.
- ② Follow the above procedure ① - ③ in SUGGESTED ACTION 1.

MESSAGE No. 7

CAUSE 1

The face of the programmed track has a flaw in it.

- If the flaw is on only part of the disc, you can't use that track, but you can use the remaining track.
- If the flaw is across the whole face of the disc, none of the tracks can be used.

CAUSE 2

The pattern data on the programmed track has been affected by magnetism.

- If the pattern data is only partly broken, you cannot use this track, but you can use another track.
- If all the pattern data are affected, you can only use the disc after you have formatted it again.

NOTE: Please refer to the leaflet accompanying the Floppy Disc Drive Unit or the blank discs for how to handle the discs.

SUGGESTED ACTION

Finish the program. Refer to WHEN FINISHING THE PROGRAM on page 3.

MESSAGE No. 8

CAUSE

There is no space left on the disc to save the pattern data.

SUGGESTED ACTION 1

- A: Use this disc again after you have formatted it.
B: Use this disc again after you have deleted an unnecessary track.

- ① Turn off the power switch of the knitting machine to finish the program, and turn it on again.
- ② A: Now format the disc.
B: Now delete the pattern(track).
- ③ Start all over again.

SUGGESTED ACTION 2

Use another empty or partly-empty disc which has already been formatted.

- ① Exchange the disc for one which is already formatted.
- ② Push the STEP key. The computer begins to save the data.

MESSAGE No. 9

When you save the pattern data,

CAUSE

You cannot save your pattern data because the empty track is defective.

SUGGESTED ACTION 1

When the pattern data is not saved in the disc, format the disc and save the pattern data.

- ① Turn off the power switch of the knitting machine to finish the program, then turn it on again.
 - ② Format the disc, then start all over again.
- ◆ If the Memo Display shows Error Message No. 9 again, you cannot use this disc.

SUGGESTED ACTION 2

When the pattern data is saved in another track, do not use the disc because you can load the pattern data in the disc. Format a new disc or use another disc formatted.

- When you format a new disc,
 - ① Exchange the faulty disc for a fresh one.
 - ② Follow the above procedure ① - ② in SUGGESTED ACTION 1.

- When you use another disc formatted,
 - ① Exchange the disc for one that has been formatted.
 - ② Push the STEP key. The computer starts saving your pattern again.

When you format your disc,

CAUSE

You cannot format a disc because it is defective.

SUGGESTED ACTION

Use another disc.

- ① Exchange the faulty disc for a fresh one.
- ② Push the STEP key. The disc will now be formatted.

MESSAGE No. 10

CAUSE

You cannot load the pattern data because the memory capacity in the knitting machine is full.

SUGGESTED ACTION

Follow the procedure of SUGGESTED ACTION 2 of "PATTERN NO. + E" on page 2.

● WHAT TO DO IF ELECTRIC POWER OF THE KNITTING MACHINE OR THE DISC DRIVE IS CUT OFF WHILST YOU ARE OPERATING,

When formatting your disc, loading or deleting your pattern data,

- ① Wait until the access lamp goes off.
- ② Remove the disc from the disc drive.
- ③ Turn on the power switches for both the disc drive and the knitting machine.
- ④ Set the disc into the disc drive.
- ⑤ Start all over again.

When saving your pattern data,

You cannot use the track in the disc because the pattern data half saved is damaged.

- If no pattern data is saved in the disc, format the disc and save the pattern data.
 - ① Follow the procedure ① - ④ as left.
 - ② Format the disc and save the pattern data again.
- If pattern data is saved in another track of the disc, it's advisable to use a new disc. The pattern data in the other track will not be damaged therefore you will still be able to load it into your machine.
(Refer to the above procedure)