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Title:

RC763 Winchester Disc Drive
Installation Guide

Keywords: RC700, RC702, RC703, RC763, hardware installation.

Abstract: This manual contains instructions on how to connect the RC763 Winchester disc drive to the RC702/RC703 Microcomputers.

(12 printed pages)

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PREFACE

First edition: RCSL No 42-i2084.

Second edition: RCSL No 42-i2343.

Up-date edition in accordance with latest product line revision.

No changes in the technical issue.

Henning Christensen

A/S REGNECENTRALEN af 1979, May 1983



1. INTRODUCTION

1.

The RC763 Winchester disc drive shipment should contain:

- 1 RC763 Winchester disc drive
- 1 adapter with assessorry (spacer and screw)
- 1 power cord.

Before connecting the disc drive to the microcomputer some preparations have to be made: inside the disc drive a safety label has to be removed (see 2) and inside the microcomputer the adapter has to be installed (see 3). Finally the disc drive and the microcomputer are connected and the installation/connection is checked (see 4).

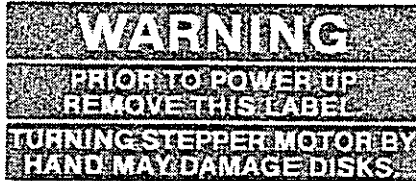
A medium to small size screw-driver is the only tool required.

WARNING! Always unplug AC power cords of equipment before any deassembling.

2. RC763 DISC DRIVE PREPARATION

2.

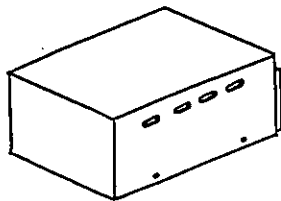
To prevent damages to the discs and the read/write heads during shipment, a safety label is placed on top of the stepper motor shaft. This label must be removed prior to power-up.



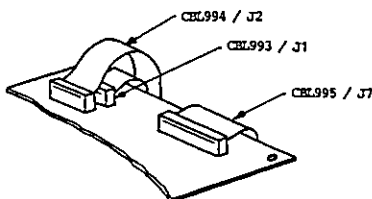
After removing the label, do not attempt to turn the motor by hand!

The label should be kept (stick it elsewhere on the drive casing) as it should be repositioned on top of the motor shaft, whenever the drive is shipped.

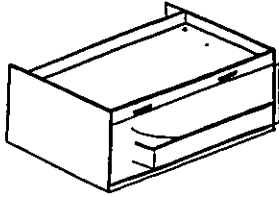
To remove the label, proceed as follows (drive viewed from rear side):



- 1) Remove cover (4 screws, 2 each side).

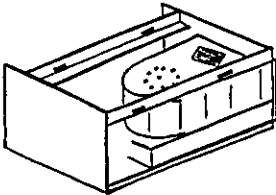


- 2) Disconnect signal cables from print board (3 cables).

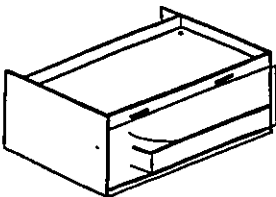


- 3) Loosen print board from seating (4 screws, 1 each corner). Beware of distance pieces under the print board (accessible through slots on the sides of the housing).

Remove print board by slightly lifting at the end towards front of drive and pulling outwards (unplugs the connection at the print board rear end - the print board edge itself is the male connector part).

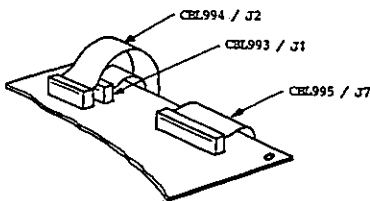


- 4) Remove the label, place it elsewhere on the drive casing (away from motor shaft and the holes located in circle around the disc pack shaft).



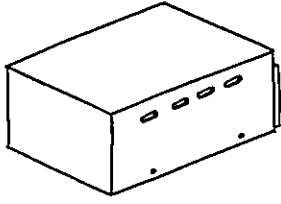
- 5) Reposition the print board in the seating by slightly lifting at the end towards front of drive, centring the connector parts to the rear and push inwards to plug in.

Reassemble print board and housing (4 screws) - the distance pieces are positioned through slots on the sides of the housing.



- 6) Plug in the signal cables (3 cables) - connect parts as follows:
- CBL 993 to J1
 - CBL 994 to J2
 - CBL 995 to J7

Part numbers are found in print on the cables and the print board, respectively.



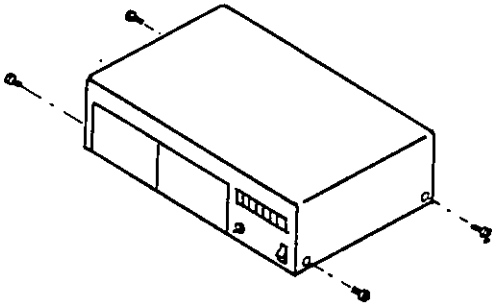
- 7) Reassemble the cover and housing (4 screws) - make sure the ventilation holes are placed to the right (viewing the drive from rear end).

3. RC702/RC703 MICROCOMPUTER PREPARATIONS

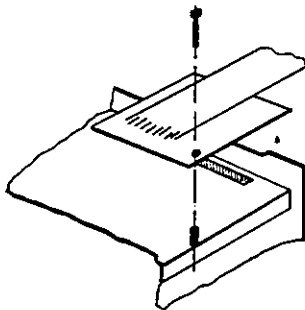
3.

The adapter part (small print board with the signal cable attached) delivered together with the disc drive must be installed in the microcomputer housing. A spacer and a screw belongs to the adapter in order to seat it firmly at the proper distance of the computer print board.

Proceed as follows (microcomputer viewed from front side):



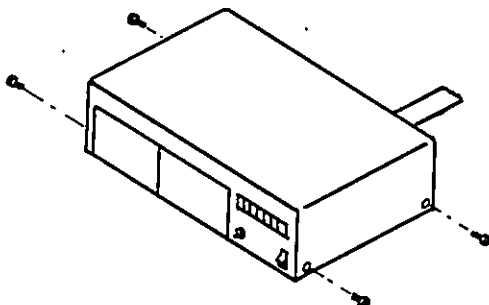
- 1) Unplug AC power cord.
- 2) Remove cover (4 screws, 2 each side). Disconnect ground wire inside cover to the right (pull off).



- 3) Position the adapter print board on top of the computer print board (right corner to the rear). Signal cable must lead to the rear of computer.

Make sure the connector parts of the adapter and of the computer print board engage correctly - the edges of adapter and print board must be aligned in the vertical direction.

Position the spacer (right corner of adapter towards front of computer) and press moderately downwards to seat the adapter. Insert screw and fasten.



- 4) Reassemble cover and housing (4 screws). The ventilation holes must face to the left; connect ground wire to cover at the right innerside.

4. CONNECTION AND CHECK-OUT

The signal cable from the adapter just installed in the microcomputer is connected to the upper connector (denoted: J1) at the rear panel of the disc drive.

Plug in the AC power cords of the drive and the microcomputer and connect to the AC power supply. Power-up the system.

Insert system diskette in flexible disc drive, reset the system and wait for the system prompt (usually A>) to appear. Then type 'C:', the system should respond with 'C>'.

If the check-out is not successful, repeat the procedures step by step to make sure the preparations and connections have been correctly performed.

RETURN LETTER

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Installation Guide

RCSI. No.: 42-i2343

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